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	Teclas de atalho Edição de um Particionado (Biblioteca,Data set) Comandos de Linha de Edição. Deletar Inserir Repetir Copiar Movimentar. LC UC Comandos de Deslocamento. Deslocamento para direita. Deslocamento para esquerda. Comandos Diversos. Cols Max Reset. Profile Recovery on Undo Cancel. Locate. Save. Find. X all Find all Change Hex. Comandos Numeração Number Renum O Overwrite



TSO

TSO são as iniciais de Time Sharing Option.

O TSO disponibiliza aos usuários, através de um terminal, um ambiente com as ferramentas adequadas ao desenvolvimento e gestão de aplicações e sistemas informatizados.

É através do TSO que podemos:

- Parametrizar o terminal para sua utilização;
- Manipular Bibliotecas, Data Sets e membros;
- Visualizar e executar Jobs; etc

Teclas de Função (PFs)

- **PF1** Help Auxilio
- **PF2** Split Cria mais sessão (Tela)
- **PF3** Volta ao menu anterior
- **PF4** Volta ao comando anterior
- **PF5** Repete o último comando
- **PF6** Repete última alteração
- **PF7** Volta página
- **PF8** Avança página
- **PF9** Navega entre duas sessões (Telas)
- PF10 Desloca tela á esquerda
- **PF11** Desloca tela á direita
- **PF12** Retrieve / Cancel
- ENTER Passa a informação teclada para o TSO

Outras teclas CLEAR, RESET e INSERT .



Vamos então detalhar o acesso o TSO.

Siga sempre o exemplo colocado abaixo do comando.

Digite na linha de comando digite a letra \underline{P} e tecle <ENTER>.

OPTION ===>	CUSTOMPAC MASTER APPLICATION MENU	SCROLL ===> CSR USERID - ALUNOJ3
		TIME - 21:47
IS ISMF P PDF IP IPCS OS SUPPORT OU USER SM SMP/E IC ICSF SD SDSF R RACF HC HCD BMB BMR BLD BMR BMR READ BMI BMR INDX X EXIT	 Interactive Storage Management Fa ISPF/Program Development Facility Interactive Problem Control Facil OS/390 ISPF System Support Option OS/390 ISPF User Options SMP/E Dialogs Integrated Cryptographic Service System Display and Search Facility Hardware Configuration Definition BookManager Build (Create Online BookManager Read (Read Online Doc BookManager Read (Create Bookshel Terminate ISPF using list/log definition 	Facility Facility Y Documentation) cumentation) f Index) Faults

F1=HELP	F2=SPLIT	F3=END	F4=RETURN	F5=RFIND	F6=RCHANGE
F7=UP	F8=DOWN	F9=SWAP	F10=LEFT	F11=RIGHT	F12=RETRIEVE

Começaremos pela opção Utilities em seguida veremos as demais.

Digite em na linha de comando o número 3 e tecle <ENTER>.

	Menu Utilitie	s Compilers Options Status Help		
		ISPF Primary Option Menu		
0 1 2 2	Settings View Edit	Terminal and user parameters Display source data or listings Create or change source data Parform utility functions	User ID . : Time : Terminal. :	ALUNOJ3 21:50 3278
3 4 5 6	Foreground Batch Command	Perform utility functions Interactive language processing Submit job for language processing Enter TSO or Workstation commands	Appl ID . : TSO logon :	I ENGLISH PDF IKJACCNT
7 8 9 10 11	Dialog Test LM Facility IBM Products SCLM Workplace	Perform dialog testing Library administrator functions IBM program development products SW Configuration Library Manager ISPF Object/Action Workplace	TSO prefix: System ID : MVS acct. : Release . :	ALUNOJ3 PRE7 ASL ISPF 4.5

Enter X to Terminate using log/list defaults





Digite na linha de comando o número <u>4</u> e tecle <ENTER>, Os comandos podem ser digitados agrupadamente, neste caso poderíamos na primeira Tela ter digitado <u>P.3.4</u> e teclado <ENTER>.

]	Menu Help		
		Utility Selection Panel	-
1	Library	Compress or print data set. Print index listing. Print, rename, delete, browse, edit or view members	
2	Data Set	Allocate, rename, delete, catalog, uncatalog, or display information of an entire data set	
3	Move/Copy	Move, copy, or promote members or data sets	
4	Dslist	Print or display (to process) list of data set names. Print or display VTOC information	
5	Reset	Reset statistics for members of ISPF library	
6	Hardcopy	Initiate hardcopy output	
7	Download	Download ISPF C/S, VA for ISPF, transfer map, or data set.	
8	Outlist	Display, delete, or print held job output	
9	Commands	Create/change an application command table	
*	Reserved	This option reserved for future expansion.	
11	Format	Format definition for formatted data Edit/Browse	
12	SuperC	Compare data sets (Standard Dialog))
13	SuperCE	Compare data sets Extended (Extended Dialog))
14	Search-For	Search data sets for strings of data (Standard Dialog))
15	Search-ForE	Search data sets for strings of data Extended (Extended Dialog))
0p	tion ===>(4		
F1=1	Help F3	=Exit F10=Actions F12=Cancel	

A Bilioteca ou Particionado é um repositório onde armazenamos nossos Programas, JOB's e outros arquivos, utilizaremos a biblioteca da escola <u>FUTURE.FONTES.COBOL</u>, como exemplo, então digite em frente ao <u>Dsname level...</u> FUTURE.FONTES.COBOL, e tecle <ENTER>.

Menu	RefList	RefMode	Utilities	Help					
			Data Set	List Ut	tility				
blan	k Display V Display	data set VTOC inf	list ormation		P Print data set list PV Print VTOC information				
Enter c Dsna Volu	Inter one or both of the parameters below: Dsname Level EUTURE.FONTES.COBOL Volume serial								
Data se Init	t list op ial View	tions • • • 1	1. Volume 2. Space 3. Attrib 4. Total		Enter "/" to select option / Confirm Data Set Delete / Confirm Member Delete				
When th "/" c an IS "=" t	Then the data set list is displayed, enter either: "/" on the data set list command field for the command prompt pop-up, an ISPF line command, the name of a TSO command, CLIST, or REXX exec, or "=" to execute the previous command.								
Option F1=Hel	===> p F3	=Exit	F10=Action	s F12=C	Cancel				



O TSO trará uma lista das bibliotecas, neste caso apenas uma foi selecionada, para visualizaremos o conteúdo da biblioteca digite no lado esquerdo da biblioteca a letra <u>E</u> e tecle <ENTER>, a letra E corresponde à Edit.

Menu	Options	View U	tilities	Compilers	Help		
DSLIST	- Data Se	ts Match	ing FUTUR	E.FONTES.C	OBOL		Row 1 of 1
Command	l - Enter	"/" to s	elect act	ion		Message	Volume
E ****	FUTURE.	FONTES.C	0B0L ***** End	of Data S	et list	************	PR39C7

Command ===	=>		
F1=Help	F3=Exit	F5=Rfind	F12=Cancel

Scroll ===> PAGE

Agora o TSO trouxe uma lista dos membros da biblioteca solicitada, os membros poderão ser Editados através do comando <E> ou somente visualizados através dos comandos <V> ou .

Menu	Functions	Confirm	Utilities	Help					
EDIT		 FUTURE.FC	NTES.COBOL				Row 00	001 c	of 00032
	Name	Prompt	VV MM	Chano	red	Size	Init	Mod	ID
	ALOCAARQ		01.05	08/10/04	14:17	116	207	0	IBMUSER
		1	01.04	08/08/06	18:08	281	198	0	IBMUSER
	EXER0002		01.05	08/08/06	18:18	286	198	0	IBMUSER
	EXER0003		01.00	08/08/06	18:45	278	278	0	IBMUSER
	EXER0004		01.00	08/08/06	18:48	278	278	0	IBMUSER
	EXER0005								
	EXER0006		01.00	02/05/08	06:18	374	374	0	IBMUSER
	EXER0007								
	EXER0008		01.03	09/12/05	10:51	370	381	0	IBMUSER
	EXER0009		01.00	08/06/04	20:35	393	393	0	IBMUSER
	EXER0010								
	EXER0011		01.00	09/08/26	19:41	514	514	0	IBMUSER
	EXER0012		01.01	08/08/06	17:55	571	571	0	IBMUSER
	EXER0013		01.00	08/09/20	15:35	434	434	0	IBMUSER
	EXER0014		01.00	09/08/12	21:03	446	446	0	IBMUSER
	EXER0015		01.03	09/07/27	19:34	710	708	0	IBMUSER
	EXER0016								
	EXER0017	/	01.02	09/08/26	21:14	478	485	0	IBMUSER
Command	===× /	/					Scro)ll ==	=> PAGE
F1=Help	p F3 ≠ Ex	xit F	10=Actions	F12=Cano	cel				



Vamos iniciar pelo comando de edição <E> que tem a função de Editar e permitir a alteração de um membro, para isso digitaremos a letra E do lado esquerdo do Membro EXER0001 a ser editado e teclar <ENTER>. Exemplos _E_____ ou ____E___ ou ____E__, qualquer lugar sobre a linha tracejada o comando será válido.

Menu	Functions	Confirm	Utilities	Help					
EDIT		 FUTURE.FC	NTES.COBOL				Row 00	001 c	f 00032
\frown	Name	Prompt	VV MM	Chano	ged	Size	Init	Mod	ID
$\langle \rangle$	ALOCAARQ	-	01.05	08/10/04	14:17	116	207	0	IBMUSER
E	EXER0001		01.04	08/08/06	18:08	281	198	0	IBMUSER
	🖊 EXER0002		01.05	08/08/06	18:18	286	198	0	IBMUSER
\sim	EXER0003		01.00	08/08/06	18:45	278	278	0	IBMUSER
	EXER0004		01.00	08/08/06	18:48	278	278	0	IBMUSER
	EXER0005								
	EXER0006		01.00	02/05/08	06:18	374	374	0	IBMUSER
	EXER0007								
	EXER0008		01.03	09/12/05	10:51	370	381	0	IBMUSER
	EXER0009		01.00	08/06/04	20:35	393	393	0	IBMUSER
	EXER0010								
	EXER0011		01.00	09/08/26	19:41	514	514	0	IBMUSER
	EXER0012		01.01	08/08/06	17:55	571	571	0	IBMUSER
	EXER0013		01.00	08/09/20	15:35	434	434	0	IBMUSER
	EXER0014		01.00	09/08/12	21:03	446	446	0	IBMUSER
	EXER0015		01.03	09/07/27	19:34	710	708	0	IBMUSER
	EXER0016								
	EXER0017		01.02	09/08/26	21:14	478	485	0	IBMUSER
Command	===>						Scro)ll ==	=> PAGE
F1=Help	р F3=Е	xit F	10=Actions	F12=Cano	cel				

O EXER0001 é um programa em COBOL, nos o utilizaremos para aprender os comandos de edição no TSO.

File	Edit	Confirm	Menu (Jtilities	Compilers	s Te	st	Help		
 EDIT *****	 FU	 TURE.FONTE *****	S.COBO	 L(EXER0001 ****** To) - 01.04 p of Data	****	****	Col	umns 00001	00072
000001		IDENTIFIC	ATION	DIVISION.	-					
000002		PROGRAM-I	D.	EXER0001.						
000003		AUTHOR.		FUTURE SC	HOOL CURSC	DS DE	COM	PUTAC	CAO.	
000004		*								
000005		* GERAR AR	QUIVO I	DE PECAS S	ELECIONADA	AS				
000006		*								
000007		ENVIRONME	NT	DIVISION.						
800000		CONFIGURA	TION	SECTION.						
000009		SPECIAL-N	AMES.							
000010				DECIMAL-P	OINT IS CO	OMMA.				
000011		*								
000012		INPUT-OUT	PUT	SECTION.						
000013		FILE-CONT	ROL.							
000014		SELEC	T CADI	PECA	ASSIGN	TO	UT-S	-CADE	PECA	
000015			FIL	E STATUS	IS FS-CA	ADPEC	:A.			
000016		*								
000017		SELEC	T CADA	ATU	ASSIGN	TO	UT-S	-CADA	ΔTU	
000018			FIL	E STATUS	IS FS-CA	ADATU	ι.			
Command	===>								Scroll ===	=> CSR
F1=Help		F3=Exit	F5=	=Rfind	F6=Rchanc	ge F	'12=C	ancel	-	



Comandos de linha de edição

Comandos básicos.

Deletar linhas, os comandos para deleção de linhas são digitados sempre sobre a numeração de linha (qualquer lugar marcado em vermelho) do programa.

D Indica a deleção da linha corrente;

Para delter-mos uma linha digitar um D na sobre o número da linha 000300 e teclar <ENTER>.

	Fil	e Edit	Confirm	Menu	Utilities	Compilers	s Test	Help
	EDIT *****	FUTU *******	RE.FONTES	.COBOI	 _(EXER0001) ****** Tor	- 01.05	*****	Columns 00001 00072
	000100	I	DENTIFICA	TION	DIVISION.			
1	000200	P	ROGRAM-ID		EXER0001.			
(D00300	A	UTHOR.		FUTURE SCH	OOL CURSOS	DE COMP	UTACAO.
$\overline{\ }$	000400	*						
	000500	*	GERAR ARQ	UIVO I	DE PECAS SE	LECIONADAS		
	000600	*						
	000700	E	NVIRONMEN'	Т	DIVISION.			
	00800	C	ONFIGURAT	ION	SECTION.			
	000900	S	PECIAL-NA	MES.				
	001000				DECIMAL-PC	INT IS COMM	1A.	
	001100	*						
	001200	I	NPUT-OUTP	UT	SECTION.			
	001300	F	ILE-CONTRO	OL.				
	001400		SELECT	CADE	PECA	ASSIGN TO) UT-S-	CADPECA
	001500			FILE	E STATUS	IS FS-CADE	PECA.	
	001600	*						
	001700		SELECT	CADA	ATU	ASSIGN TO) UT-S-	CADATU
	001800			FILE	E STATUS	IS FS-CADA	ATU.	
	Commanc	l ===>						Scroll ===> CSR
	F1=Hel	.p F	'3=Exit	F5=	=Rfind	F6=Rchange	F12=Ca	ncel

Constatamos abaixo que a linha 000300 foi deletada.

File	e Edit	Confirm	Menu	Utilities	Compiler	s 1	Test Help
EDIT *****	FU *****	TURE.FONTE *****	S.COB	OL(EXER0001 ******* Tc) - 01.05 p of Data	***	Columns 00001 00072
000100		IDENTIFIC	ATION	DIVISION.			
000200)	PROGRAM-I	D.	EXER0001.			
000400)	*				\nearrow	
000500		* GERAR AR	QUIVO	DE PECAS S	ELECIONAD.	AS	
000600	1	*					
000700)	ENVIRONME	NT	DIVISION.			
000800)	CONFIGURA	TION	SECTION.			
000900)	SPECIAL-N	AMES.				
001000)			DECIMAL-F	OINT IS C	OMMZ	Α.
001100)	*					
001200)	INPUT-OUT	PUT	SECTION.			
001300)	FILE-CONT	ROL.				
001400)	SELEC	T CA	DPECA	ASSIGN	то	UT-S-CADPECA
001500	1		FI	LE STATUS	IS FS-C	ADPE	ECA.
001600	1	*					
001700)	SELEC	T CA	DATU	ASSIGN	то	UT-S-CADATU
001800)		FI	LE STATUS	IS FS-C	ADAT	Γυ.
Command	l ===>						Scroll ===> CSR
F1=He	lp	F3=Exit	F	5=Rfind	F6=Rchan	ge	F12=Cancel

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Deleção de várias linhas simultaneas:

D5 Indica a deleção da linha corrente e as próximas 4 linhas; Digitar na linha 000200 **D5** e teclar <ENTER>.

File Edit Confirm Menu Utilities Compilers Test Help _____ _____ EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072 000100IDENTIFICATION DIVISION.000200PROGRAM-ID.D50800AUTHOR.FUTURE SCHOOL CURSOS DE COMPUTACAO. * SERAR ARQUIVO DE PECAS SELECIONADAS * ENVIRONMENT DIVISION. CONFIGURATION SECTION. 000400 000500 000600 000700 00800 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. * INPUT-OUTPUT SECTION. 001100 001200 001300 FILE-CONTROL. CADPECA ASSIGN TO UT-S-CADPECA FILE STATUS IS FS-CADPECA. 001400 SELECT CADPECA 001500 001600 * 001700 SELECT CADATU ASSIGN TO UT-S-CADATU 001800 FILE STATUS IS FS-CADATU. Command ===> Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Constatamos abaixo que as 5 Linhas marcadas foram deletadas.

File Edit Confirm Menu Utilities Compilers Test Help

EDIT F	UTURE	.FONTES.C	совоі	L(EXER0001)	- 01.0)5	Co	lumns	00001	00072
***** *****	****	*******	*****	****** To <u>r</u>	of Dat	a **	********	*****	*****	******
000100	IDE	NTIFICAT	ION	DIVISION.						
000200	PRO	GRAM-ID.		EXER0001.			_			
000800	CON	FIGURATIO	ЛC	SECTION.						
000900	SPE	CIAL-NAME	ES.			_				
001000				DECIMAL PO	OINT IS	COMM	A.			
001100	*									
001200	INP	UT-OUTPU	Г	SECTION.						
001300	FIL	E-CONTROL	с.							
001400		SELECT	CADE	PECA	ASSIG	т то	UT-S-CAD	PECA		
001500			FILE	E STATUS	IS FS-	CADP	ECA.			
001600	*									
001700		SELECT	CADA	ATU	ASSIG	и то	UT-S-CAD	ATU		
001800			FILE	E STATUS	IS FS-	CADA	TU.			
001900	*									
002000	DAT	A		DIVISION.						
002100	FTT	E		SECTION.						
002200	*	_								
002300	ਹਾਜ	CADPECA								
Command ===>		0						Scro	11 ===:	> CSR
F1-Help	E3 -	Fyi+	55-	-Dfind	F6-Pobs	ngo	F12-Cance	1	'	
r r-uerb		TAT C	20-	-KTTIIG	r o-rene	mge	riz-cance	-		



Introdução ao TSO

Deleção de um bloco de linhas:

DD Indica um início e um fim de bloco a ser deletado. Digitaremos <u>DD</u> na linha 000200 (início) e na linha <u>DD</u> 0001200 (fim) e teclamos <ENTER>.

File	Edit Confirm Me	enu Utilities	Compilers Test Help
EDIT *****	FUTURE.FONTES.	.COBOL (EXER0001) - 01.05 Columns 00001 00072 p of Data **********************************
000100	IDENTIFICAT	TION DIVISION.	
(DD0200	PROGRAM-ID.	EXER0001.	
000/300	AUTHOR.	FUTURE SC	HOOL CURSOS DE COMPUTACAO.
000400	*		
000500	* GERAR ARQU	JIVO DE PECAS S	ELECIONADAS
000600	*		
000700	ENVIRONMENT	DIVISION.	
00800	CONFIGURATI	ION SECTION.	
000900	SPECIAL-NAM	MES.	
001000		DECIMAL-P	OINT IS COMMA.
001100	*		
DD1200	INPUT-OUTPU	JT SECTION.	
001300	FILE-CONTRO	DL.	
001400	SELECT	CADPECA	ASSIGN TO UT-S-CADPECA
001500		FILE STATUS	IS FS-CADPECA.
001600	*		
001700	SELECT	CADATU	ASSIGN TO UT-S-CADATU
001800		FILE STATUS	IS FS-CADATU.
Command	===>		Scroll ===> CSR
F1=Hel	p F3=Exit	F5=Rfind	F6=Rchange F12=Cancel

Podemos observar que o bloco entre 000200 e 001200, marcado com o DD foi excluído.

File Edit	t Confi	rm Menu	Utilities	3 (Compilers	Test	Help		
EDIT 1	FUTURE.F ******	ONTES.CON	BOL(EXER00()1) [op	- 01.05 of Data *	*****	Columns	00001	00072 *****
000100 001300	IDENT FILE-	IFICATION CONTROL.	N DIVISION	1.				>	
001400 001500	S	ELECT CI F:	ADPECA ILE STATUS		ASSIGN T IS FS-CAD	O UT-S PECA.	S-CADPECA		
001600 001700 001800	* S	ELECT CA	ADATU ILE STATUS		ASSIGN T IS FS-CAD	O UT-S ATU.	S-CADATU		
001900 002000	* DATA		DIVISION	1.					
002100 002200	FILE *		SECTION.						
002400	FD C. R R	ECORD ECORDTNG	CONTAINS MODE	80 TS	CHARACTE F	RS			
002600 002700	L. D.	ABEL ATA RI	RECORD ECORD	IS IS	STANDARD REG-CADP	ECA.			
002800 002900	01 R 0	EG-CADPE(5 COD-PI	CA. ECA		PIC	9(05)			
F1=Help	> F3=Ex	it 1	5=Rfind	H	F6=Rchange	F12=0	Scro. Cancel	11 ===>	CSR



2.0 Inserção de linhas;

12 Insere duas linhas a partir da linha corrente.

Digite <u>12</u> na linha 000400 e teclar <ENTER>. Obs. Caso não seja digitado nada na linha que foi inserida o TSO removera a linha quando teclar o próximo <ENTER>.

File Edit Confirm Menu Utilities Compilers Test Help _____ _____ _____ EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072 000100 IDENTIFICATION DIVISION. 000200 FILE-CONTROL. FILE-CONTROL. SELECT CADPECA ASSIGN TO UT-S-CADPECA 000300 120**4**00 FILE STATUS IS FS-CADPECA. * 000500 SELECT CADATU 000600 ASSIGN TO UT-S-CADATU FILE STATUS
*
DATA DIVISION
FILE SECTION.
* FILE STATUS IS FS-CADATU. 000700 00800 000900 DIVISION. 001000 *001200FDCADPECA001300FDCONTAINS80001400RECORDCONTAINS80001500LABELRECORDIS001600DATARECORDIS00170001REG-CADPECA.00180005COD-PECA 05 COD-PECA PIC 9(05). Command ===> Scroll ===> CSR F3=Exit F5=Rfind F6=Rchange F12=Cancel F1=Help

Constatamos que linhas em branco foram acrescentadas.

File Edit Confirm Menu Utilities Compilers Test Help _____ EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072 000100 IDENTIFICATION DIVISION. 000100 000200 000300 PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. * GERAK AND * ENVIRONMENT DIVISION. CONFIGURATION SECTION. SPECIAL-NAMES. DECIMAL-CONTON. * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 000600 000700 DIVISION. 00800 000900 001000 DECIMAL-POINT IS COMMA. * INPUT-OUTPUT SECTION. 001100 001200 FILE-CONTROL. 001300 SELECT CADPECA ASSIGN TO UT-S-CADPECA 001400 FILE STATUS IS FS-CADPECA. 001500 001600 Command ===> Scroll ===> CSR F3=Exit F5=Rfind F6=Rchange F12=Cancel F1=Help



2.0 Repetição de linhas;

R5 Indica que a linha corrente será repetida 5 vezes; Digite <u>**R5**</u> na linha 000400 e teclar <ENTER>.

File Edit Confirm Menu Utilities Compilers Test Help _____ _____ EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072 000100 IDENTIFICATION DIVISION. PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000200 * SERAR ARQUIVO DE PECAS SELECIONADAS * ENVIRONMENT DIVISION. CONFIGURATION SECTION. SPECIAL-NAMES. 000300 R50400 000500 000600 000700 008000 000900 DECIMAL-POINT IS COMMA. 001000 * 001100 INPUT-OUTPUT SECTION. 001200 FILE-CONTROL. 001300 ASSIGN TO UT-S-CADPECA SELECT CADPECA 001400 FILE STATUS IS FS-CADPECA. 001500 001600 SELECT CADATU 001700 ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. 001800 Command ===> Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Podemos observar abaixo a repetição da linha 400 repetida 5 vezes.

File Edit Confirm Menu Utilities Compilers Test Help EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072 000100 IDENTIFICATION DIVISION. PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000200 000300 AUTHOR. 000400 000410 000420 000430 000440 000450 * 000500 * GERAR ARQUIVO DE PECAS SELECIONADAS 000600 * ENVIRONMENT DIVISION CONFIGURATION SECTION. 000700 DIVISION. 008000 SPECIAL-NAMES. 000900 001000 DECIMAL-POINT IS COMMA. 001100 001200 INPUT-OUTPUT SECTION. FILE-CONTROL. 001300 Command ===> Scroll ===> CSR F3=Exit F5=Rfind F6=Rchange F12=Cancel F1=Help

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RR Indica a início e fim de um bloco a ser repetido; Digite <u>**RR**</u> na linha 000100 e <u>**RR**</u> na linha 000400 e teclar <ENTER>.

File	Edit Confirm Me	enu Utilities	Compilers Test Help
EDIT ****** *	FUTURE.FONTES.	COBOL (EXER0001	.) - 01.05 Columns 00001 00072 p of Data **********************************
RR0 00	IDENTIFICAT	ION DIVISION.	
000200	PROGRAM-ID.	EXER0001.	
000300	AUTHOR.	FUTURE SC	CHOOL CURSOS DE COMPUTACAO.
RR0400	*		
000500	* GERAR ARQU	JIVO DE PECAS S	SELECIONADAS
000,600	*		
000700	ENVIRONMENT	DIVISION.	
00800	CONFIGURATI	ON SECTION.	
000900	SPECIAL-NAM	1ES.	
001000		DECIMAL-B	POINT IS COMMA.
001100	*		
001200	INPUT-OUTPU	JT SECTION.	
001300	FILE-CONTRO)L.	
001400	SELECT	CADPECA	ASSIGN TO UT-S-CADPECA
001500		FILE STATUS	IS FS-CADPECA.
001600	*		
001700	SELECT	CADATU	ASSIGN TO UT-S-CADATU
001800		FILE STATUS	IS FS-CADATU.
Command	===>		Scroll ===> CSR
F1=Help	F3=Exit	F5=Rfind	F6=Rchange F12=Cancel

Podemos observar que o bloco com inicio na linha 000100 e termino na linha 000400 foi repetido.

	File Ed:	it Confirm Menu Ut	ilities Compilers Test Help
	EDIT ***** ***	FUTURE.FONTES.COBOL	EXER0001) - 01.05 Columns 00001 00072 ***** Top of Data **********************************
	000100	IDENTIFICATION I	IVISION.
	000200	PROGRAM-ID. E	XER0001.
	000300	AUTHOR. E	UTURE SCHOOL CURSOS DE COMPUTACAO.
	000400	*	
	000410	IDENTIFICATION I	IVISION.
(000420	PROGRAM-ID. E	XER0001.
	000430	AUTHOR. E	UTURE SCHOOL CURSOS DE COMPUTACAO.
	000440	*	
	000500	* GERAR ARQUIVO DE	PECAS SELECIONADAS
	000600	*	
	000700	ENVIRONMENT I	IVISION.
	00800	CONFIGURATION S	ECTION.
	000900	SPECIAL-NAMES.	
	001000	Ι	ECIMAL-POINT IS COMMA.
	001100	*	
	001200	INPUT-OUTPUT S	ECTION.
	001300	FILE-CONTROL.	
	001400	SELECT CADPE	CA ASSIGN TO UT-S-CADPECA
	Command ===	=>	Scroll ===> CSR
	F1=Help	F3=Exit F5=F	find F6=Rchange F12=Cancel



RR2 Indica a iníco e fim de um bloco a ser repetido 2 vezes; Digite <u>**RR2**</u> na linha 000100 e <u>**RR2**</u> na linha 000400 e teclar <ENTER>.

File	Edit Confirm Me	enu Utilities	Compilers Test Help
EDIT	FUTURE.FONTES.	COBOL (EXER0001) - 01.05 Columns 00001 00072 p of Data **********************************
RR2100	IDENTIFICAT	ION DIVISION.	
000200	PROGRAM-ID.	EXER0001.	
000300	AUTHOR.	FUTURE SC	HOOL CURSOS DE COMPUTACAO.
RR2400	*		
000500	* GERAR ARQU	JIVO DE PECAS S	ELECIONADAS
000/600	*		
000700	ENVIRONMENT	DIVISION.	
00800	CONFIGURATI	ON SECTION.	
000900	SPECIAL-NAN	1ES.	
001000		DECIMAL-F	OINT IS COMMA.
001100	*		
001200	INPUT-OUTPU	JT SECTION.	
001300	FILE-CONTRO	DL.	
001400	SELECT	CADPECA	ASSIGN TO UT-S-CADPECA
001500		FILE STATUS	IS FS-CADPECA.
001600	*		
001700	SELECT	CADATU	ASSIGN TO UT-S-CADATU
001800		FILE STATUS	IS FS-CADATU.
Command	===>		Scroll ===> CSR
F1=Help	F3=Exit	F5=Rfind	F6=Rchange F12=Cancel

Podemos observar que o bloco com inicio na linha 100 e termino na linha 400 foi repetido 2 vezes.

	File Edit	: Confirm Menu	Utilities	Compilers	Test	Help		
	EDIT F	UTURE.FONTES.CC	BOL(EXER000 ****	1) - 01.05 op of Data *	*****	Columns	00001 000)72 ****
	000100	IDENTIFICATIC	N DIVISION	•				
	000200	PROGRAM-ID.	EXER0001	•				
	000300	AUTHOR.	FUTURE S	CHOOL CURSOS	DE CO	MPUTACAO.		
	000400	×						
	000410	IDENTIFICATIC	N DIVISION	•				
/	000420	PROGRAM-ID.	EXER0001					
	000430	AUTHOR.	FUTURE S	CHOOL CURSOS	DE CO	MPUTACAO.		\mathbf{i}
	000440	*						
	000450	IDENTIFICATIC	N DIVISION	•				
$\overline{}$	000460	PROGRAM-ID.	EXER0001					
	-000470	AUTHOR.	FUTURE S	CHOOL CURSOS	DE CO	MPUTACAO.		
	000480	*						
	000500	* GERAR ARQUIV	O DE PECAS	SELECIONADAS				
	000600	*						
	000700	ENVIRONMENT	DIVISION	•				
	00800	CONFIGURATION	SECTION.					
	000900	SPECIAL-NAMES						
	001000		DECIMAL-	POINT IS COM	MA.			
	Command ===>	•				Scro	11 ===> CS	3R
	F1=Help	F3=Exit	F5=Rfind	F6=Rchange	F12=	Cancel		



3.0 Cópia de linha;

C Indica que a linha corrente será copiada;
 Digite <u>C</u> na linha 000300 e <u>A</u> na linha 000400 e teclar <ENTER>.

- A → De After → A linha será copiada imediatamente após a linha onde for digitado a letra A.
- B → De Before → A linha será copiada imediatamente antes da linha onde for digitado a letra B.

File Edit Confirm Menu Utilities Compilers Test Help _____ -----EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072 000100 IDENTIFICATION DIVISION. 000200 PROGRAM-ID. EXER0001. C00300 AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. * * GERAR ARQUIVO DE PECAS SELECIONADAS * DIVISION. A00400 000,500 000600 ENVIRONMENT ENVIRONMENT DIVISION. CONFIGURATION SECTION. 000700 008000 SPECIAL-NAMES. 000900 001000 DECIMAL-POINT IS COMMA. 001100 INPUT-OUTPUT 001200 SECTION. FILE-CONTROL. 001300 SELECT CADPECA ASSIGN TO UT-S-CADPECA 001400 001500 FILE STATUS IS FS-CADPECA. 001600 SELECT CADATU 001700 ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. 001800 Command ===> Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Podemos observar que o conteúdo da linha 000300 AUTHOR foi copiado para linha 000500.

File	Edit Confirm Me	nu Utilities	Compilers 7	lest Help	
 EDIT *****	FUTURE.FONTES.	COBOL (EXER0001 *****	L) - 01.05 op of Data ***	Columns 0	0001 00072 ******
000100	IDENTIFICAT	ION DIVISION.	-		
000200	PROGRAM-ID.	EXER0001.			
000300	AUTHOR.	FUTURE SC	CHOOL CURSOS I	DE COMPUTACAO.	
000400	*				
000410	AUTHOR.	FUTURE SC	CHOOL CURSOS I	DE COMPUTACAO.	
000500	* GERAR ARQU	IVO DE PECAS S	SELECIONADAS		
000600	*				
000700	ENVIRONMENI	DIVISION.			
00800	CONFIGURATI	ON SECTION.			
000900	SPECIAL-NAM	ES.			
001000		DECIMAL-H	POINT IS COMMA	Α.	
001100	*				
001200	INPUT-OUTPU	T SECTION.			
001300	FILE-CONTRC	L.			
001400	SELECT	CADPECA	ASSIGN TO	UT-S-CADPECA	
001500		FILE STATUS	IS FS-CADPE	ECA.	
001600	*				
001700	SELECT	CADATU	ASSIGN TO	UT-S-CADATU	
Command	===>			Scroll	===> CSR
F1=Hel	p F3=Exit	F5=Rfind	F6=Rchange	F12=Cancel	



C3 Indica que a linha corrente será copiada 3 vezes; Digite <u>C</u> na linha 000100 e <u>A</u> na linha 000400 e teclar <ENTER>.

File Edit Confirm Menu Utilities Compilers Test Help -----_____ _____ FUTURE.FONTES.COBOL(EXER0001) - 01.05 EDIT Columns 00001 00072 DECIMAL-H 001100 * 001200 INPUT-OUTPUT SECTION. 001300 FILE-CONTROL. 001400 SELECT DECIMAL-POINT IS COMMA. SELECT CADPECA ASSIGN TO UT-S-CADPECA
 001500
 *

 001600
 *

 001700
 SELECT

 CADATU

 001800

 Command ===>

 Eleval
 001500 FILE STATUS IS FS-CADPECA. CADATU ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Podemos observar que foram copiadas as 3 linhas marcadas anteriormente.

File Edit	Confirm Menu	Jtilities Compilers Test Help	
EDIT F	UTURE.FONTES.COBO	(EXER0001) - 01.05 Columns	00001 00072
****** ******		Transferred by of Data **********************************	* * * * * * * * * * * * * *
000100	IDENTIFICATION	DIVISION.	
000200	PROGRAM-ID.	EXERUUUI.	
000300	AUTHOR.	FUTURE SCHOOL CURSOS DE COMPUTACÃO.	
000400	*		
000410	IDENTIFICATION	DIVISION.	
000420	PROGRAM-ID.	EXER0001.	
000430	AUTHOR.	FUTURE SCHOOL CURSOS DE COMPUTACAO.	
000500	* GERAR ARQUIVO	DE PECAS SELECIONADAS	
000600	*		
000700	ENVIRONMENT	DIVISION.	
000800	CONFIGURATION	SECTION.	
000900	SPECIAL-NAMES.		
001000		DECIMAL-POINT IS COMMA.	
001100	*		
001200	INPUT-OUTPUT	SECTION.	
001300	FILE-CONTROL.		
001400	SELECT CAD	PECA ASSIGN TO UT-S-CADPECA	
001500	FIL	STATUS IS FS-CADPECA.	
Command ===>		Scro	11 ===> CSR
F1=Help	F3=Exit F5	Rfind F6=Rchange F12=Cancel	
	File Edit EDIT F ****** ***** 000100 000200 000300 000410 000420 000420 000420 000430 000500 000500 00000 001000 001200 001300 001400 001500 Command ===> F1=Help	File Edit Confirm Menu U EDIT FUTURE.FONTES.COBOI ****** ************************************	FileEditConfirmMenuUtilitiesCompilersTestHelpEDITFUTURE.FONTES.COBOL(EXER0001) - 01.05Columns***************************************

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CC Indica a primeira e a última linha de um bloco que será copiado;

Digite <u>CC</u> na linha 00100 , <u>CC</u> na linha 000400 e <u>A</u> na linha 000900 e teclar <ENTER>.

	File	Edit	Confirm N	1enu	Utilities	Compilers	Test	Help		
	EDIT	FU *****	TURE.FONTES	5.COB(DL(EXER0001 ******* To) - 01.05 p of Data *	******	Co]	Lumns 00001 ()0072 *****
1	CC0100		IDENTIFICA	ATION	DIVISION.					
/	000200		PROGRAM-II	Ο.	EXER0001.					
	000300		AUTHOR.		FUTURE SC	HOOL CURSOS	DE CON	1PUTAC	CAO.	
	CC0400		*							
	000500		* GERAR ARÇ	QUIVO	DE PECAS S	ELECIONADAS				
	000600		*							
	000700		ENVIRONMEN	ΤI	DIVISION.					
	000800		CONFIGURAT	[ION	SECTION.					
	A00900		SPECIAL-NA	AMES.						
	001000				DECIMAL-P	OINT IS COM	MA.			
	001100		*							
	001200		INPUT-OUTE	PUT	SECTION.					
	001300		FILE-CONTE	ROL.						
	001400		SELECT	r cai	DPECA	ASSIGN T	0 UT-3	3-CADE	PECA	
	001500			FII	LE STATUS	IS FS-CAD	PECA.			
	001600		*							
	001700		SELECT	r cai	DATU	ASSIGN T	O UT-S	3-CADA	ATU	
	001800			FII	LE STATUS	IS FS-CAD	ATU.			
	Command	===>							Scroll ===>	CSR
	F1=Help	þ	F3=Exit	F5	5=Rfind	F6=Rchange	F12=0	Cancel	L	

Podemos observar o bloco marcado com inicio <u>CC</u> linha 100 e o <u>CC</u> fim linha 400 foi copiado após a linha 900.

	File Ec	dit Confirm Menu Utilities Compilers Test Help
	EDIT	FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072
	***** ***	**************************************
	000100	IDENTIFICATION DIVISION.
	000200	PROGRAM-ID. EXER0001.
	000300	AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO.
	000400	*
	000500	* GERAR ARQUIVO DE PECAS SELECIONADAS
	000600	*
	000700	ENVIRONMENT DIVISION.
	00800	CONFIGURATION SECTION.
	000900	SPECIAL-NAMES.
_	000910	IDENTIFICATION DIVISION.
	000920	PROGRAM-ID. EXERO001.
	000930	AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO.
	000940	*
	001000	DECIMAL-POINT IS COMMA.
	001100	*
	001200	INPUT-OUTPUT SECTION.
	001300	FILE-CONTROL.
	001400	SELECT CADPECA ASSIGN TO UT-S-CADPECA
	Command ==	<pre>Scroll ===> CSR</pre>
	F1=Help	F3=Exit F5=Rfind F6=Rchange F12=Cancel

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4.0 Movimentação de linha;

Indica que a linha corrente será movimentado;
 Digite <u>M</u> na linha 000200 e <u>A</u> na linha 000400 e teclar <ENTER

File Edit Confirm Menu Utilities Compilers Test Help -----FUTURE.FONTES.COBOL(EXER0001) - 01.05 EDIT Columns 00001 00072 000100IDENTIFICATIONDIVISION.M00200PROGRAM-ID.EXER0001.000300AUTHOR.FUTURE SCHOOL CURSOS DE COMPUTACAO. * * GERAR ARQUIVO DE PECAS SELECIONADAS * A00400 000500 000600 ENVIRONMENT CONFIGURATION 000700 DIVISION. 00800 CONFIGURATION SECTION. 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. 001100 * 001200 INPUT-OUTPUT SECTION. 001300 FILE-CONTROL. 001400 SELECT CADPECA ASSIGN TO UT-S-CADPECA 001400 001500 FILE STATUS IS FS-CADPECA. * SELECT CADATU 001600 ASSIGN TO UT-S-CADATU 001700 FILE STATUS IS FS-CADATU. 001800 Command ===> Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Podemos observar a movimentação do PROGRAM-ID LINHA 410.

File Edit Confirm Menu Utilities Compilers Test Help -----------EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072 000100 IDENTIFICATION DIVISION. 000300 AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000400 000410 PROGRAM-ID. EXER0001. 000500 * GERAR ARQUIVO DE PECAS SELECIONADAS 000600 * 000700 ENVIRONMENT DIVISION. 000800 CONFIGURATION SECTION. ODECTAL-NAMES. SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. * 001100 INPUT-OUTPUT SECTION. 001200 001300 FILE-CONTROL. CADPECA ASSIGN TO UT-S-CADPECA FILE STATUS IS FS-CADPECA. SELECT CADPECA 001400 001500 001600 SELECT CADATU 001700 ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. 001800 Command ===> Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

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M3 Indica que a linha corrente será movimentado 3 vezes; Digite <u>M3</u> na linha 000100 e <u>A</u> na linha 000800 e teclar <ENTER>.

File Edit Confirm Menu Utilities Compilers Test Help ----------FUTURE.FONTES.COBOL(EXER0001) - 01.05 EDIT Columns 00001 00072 M30100 IDENTIFICATION DIVISION. 000200 PROGRAM-ID. EXER0001. 000300 AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000400 * 000500 * GERAR ARQUIVO DE PECAS SELECIONADAS 000600 * ENVIRONMENT DIVISION. CONFIGURATION SECTION. SPECIAL-NAMES. 000700 A00800 000900 DECIMAL-* INPUT-OUTPUT SECTION. FILE-CONTROL. 001000 DECIMAL-POINT IS COMMA. 991100 001200 001300 SELECT CADPECA ASSIGN TO UT-S-CADPECA 001400
 001600
 *

 001700
 SELECT

 001800
 FILE STATUS

 Command ===>
 Elevicit
 001500 FILE STATUS IS FS-CADPECA. CADATU ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Podemos observar que as linhas iniciais foram movimentas após a linha 800.

	File	Edit	Confirm	Menu	Utilities	Compilers	Test	Help	
	EDIT *****	 FU *****	TURE.FONT	ES.COB	OL (EXER0001	L) - 01.05	******	Columns	s 00001 00072
	000400		*			- <u>-</u>			
	000500		* GERAR A	RQUIVO	DE PECAS S	SELECIONADA	S		
	000600		*						
	000700		ENVIRONM	ENT	DIVISION				
	00800		CONFIGUR	ATION	SECTION.				
	000810		IDENTIFI	CATION	DIVISION				
/	000820		PROGRAM-	ID.	EXER0001.				
\langle	000830		AUTHOR.		FUTURE SC	CHOOL CURSO	S DE CC	MPUTACAO.	
	000900		SPECIAL-	NAMES.					
	001000				DECIMAL-H	POINT IS CO	MMA.		
	001100		*						
	001200		INPUT-OU	TPUT	SECTION.				
	001300		FILE-CON	TROL.					
	001400		SELE	CT CA	DPECA	ASSIGN	TO UT-	S-CADPECA	
	001500			FI	LE STATUS	IS FS-CA	DPECA.		
	001600		*						
	001700		SELE	CT CA	DATU	ASSIGN	TO UT-	S-CADATU	
	001800			FΙ	LE STATUS	IS FS-CA	DATU.		
	Command	===>						Scro	oll ===> CSR
	F1=Help	p	F3=Exit	F	5=Rfind	F6=Rchang	e F12=	Cancel	



Indica a primeira e a última linha de um bloco que será movimentado;
 Digite <u>MM</u> na linha 000200 , <u>MM</u> na linha 000500 <u>A</u> na linha 000900 e teclar <ENTER>.

Confirm Mer	nu Utilities	Compilers	Test	Help	
TURE.FONTES.(COBOL (EXER0001)) - 01.05		Columns 00001 000)72
***********	************ 'I'oj	p of Data *'	* * * * * * * 7	* * * * * * * * * * * * * * * * * * * *	****
IDENTIFICAT	ION DIVISION.				
PROGRAM-ID.	EXER0001.				
AUTHOR.	FUTURE SCI	HOOL CURSOS	DE CON	IPUTACAO.	
*					
* GERAR ARQU	IVO DE PECAS SI	ELECIONADAS			
*					
ENVIRONMENT	DIVISION.				
CONFIGURATIO	ON SECTION.				
SPECIAL-NAME	ES.				
	DECIMAL-PO	DINT IS COMM	MA.		
*					
INPUT-OUTPUT	SECTION.				
FILE-CONTROL	J•				
SELECT	CADPECA	ASSIGN TO	O UT-S	-CADPECA	
	FILE STATUS	IS FS-CADE	PECA.		
*					
SELECT	CADATU	ASSIGN TO	O UT-S	-CADATU	
	FILE STATUS	IS FS-CADA	ATU.		
				Scroll ===> C:	SR
F3=Exit	F5=Rfind	F6=Rchange	F12=0	Cancel	
	Confirm Mer 	Confirm Menu Utilities TURE.FONTES.COBOL(EXER0001) IDENTIFICATION DIVISION. PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCI * * GERAR ARQUIVO DE PECAS SI * ENVIRONMENT DIVISION. CONFIGURATION SECTION. SPECIAL-NAMES. * INPUT-OUTPUT SECTION. FILE-CONTROL. SELECT CADPECA FILE STATUS * SELECT CADATU FILE STATUS F3=Exit F5=Rfind	Confirm Menu Utilities Compilers TURE.FONTES.COBOL(EXER0001) - 01.05 ************************************	Confirm Menu Utilities Compilers Test TURE.FONTES.COBOL(EXER0001) - 01.05 ************************************	Confirm Menu Utilities Compilers Test Help TURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 000 **********************************

Podemos observar que o bloco com inicio na linha 200 e fim na linha 500 foi movimentado após a linha 900

	File Edi	t Confirm Mer	nu Utilities	Compilers Test	Help
	EDIT ***** ***	FUTURE.FONTES.(COBOL(EXER0001) - 01.05 p of Data ******	Columns 00001 00072
	000100	IDENTIFICAT	ION DIVISION.	<u>r</u>	
	000600	*			
	000700	ENVIRONMENT	DIVISION.		
	000800	CONFIGURATIO	ON SECTION.		
	000900	SPECIAL-NAM	IS.		
_	000910	PROGRAM-ID.	EXER0001.		
\mathcal{C}	000920	AUTHOR.	FUTURE SC	HOOL CURSOS DE CO	MPUTACAO.
	000930	*			
	000940	* GERAR ARQU	IVO DE PECAS S	ELECIONADAS	
	001000		DECIMAL-P	OINT IS COMMA.	
	001100	*			
	001200	INPUT-OUTPUT	SECTION.		
	001300	FILE-CONTROL			
	001400	SELECT	CADPECA	ASSIGN TO UT-	S-CADPECA
	001500		FILE STATUS	IS FS-CADPECA.	
	001600	*			
	001700	SELECT	CADATU	ASSIGN TO UT-	-S-CADATU
	001800		FILE STATUS	IS FS-CADATU.	
	Command ===	=>			Scroll ===> CSR
	F1=Help	F3=Exit	F5=Rfind	F6=Rchange F12=	Cancel



LC Indica que a linha corrente será conterá apenas letras minúsculas; Digite <u>LC</u> na linha 000300 tecle <ENTER>.

File	Edit Confirm Me	enu Utilities	Compilers Test Help
EDIT *****	FUTURE.FONTES.	COBOL (EXER0001 *************** To) - 01.08 Columns 00001 00072 p of Data **********************************
000100	IDENTIFICAT	ION DIVISION.	-
000200	PROGRAM-ID.	EXER0001.	
LC0300	AUTHOR.	FUTURE SC	HOOL CURSOS DE COMPUTACAO.
000400	*		
000500	* GERAR ARQU	JIVO DE PECAS S	ELECIONADAS
000600	*		
000700	ENVIRONMENI	DIVISION.	
00800	CONFIGURATI	ON SECTION.	
000900	SPECIAL-NAM	ŒS.	
001000		DECIMAL-P	OINT IS COMMA.
001100	*		
001200	INPUT-OUTPU	T SECTION.	
001300	FILE-CONTRO	DL.	
001400	SELECT	CADPECA	ASSIGN TO UT-S-CADPECA
001500		FILE STATUS	IS FS-CADPECA.
001600	*		
001700	SELECT	CADATU	ASSIGN TO UT-S-CADATU
001800		FILE STATUS	IS FS-CADATU.
Command	===>		Scroll ===> CSR
F1=Help	F3=Exit	F5=Rfind	F6=Rchange F12=Cancel

Podemos observar que o conteúdo da linha 00300 ficou com a letra minúscula.

File	Edit Confirm	Menu Utilities	Compilers Test	t Help						
EDIT ******	FUTURE.FONTE	S.COBOL(EXER000	1) - 01.08 op of Data *****	Columns 00001 00072						
000100	IDENTIFIC	ATION DIVISION								
000200	PROGRAM-I	D. EXER0001	EXER0001.							
000300	author.	future s	chool cursos de d	computacao.						
000400	*									
000500	* GERAR AR	QUIVO DE PECAS	SELECIONADAS							
000600	*									
000700	ENVIRONME	NT DIVISION	•							
00800	CONFIGURATION SECTION.									
000900	SPECIAL-N	AMES.								
001000		DECIMAL-	POINT IS COMMA.							
001100	*									
001200	INPUT-OUT	PUT SECTION.								
001300	FILE-CONT	ROL.								
001400	SELEC	T CADPECA	ASSIGN TO U	T-S-CADPECA						
001500		FILE STATUS	IS FS-CADPECA							
001600	*									
001700	SELEC	T CADATU	ASSIGN TO U	I-S-CADATU						
001800		FILE STATUS	IS FS-CADATU.							
Command	===>			Scroll ===> CSR						
F1=Help	F3=Exit	F5=Rfind	F6=Rchange F12	2=Cancel						



UC Indica que a linha corrente terá apenas letras maiúsculas; Digite <u>UC</u> na linha 000300 tecle <ENTER>.

File	Edit Confirm M	enu Utiliti	es Compilers	Test Help								
EDIT *****	FUTURE.FONTES	.COBOL(EXER0	001) - 01.08 Top of Data *	Colu	umns 00001 00072							
000100	IDENTIFICA	TION DIVISI	ON.									
000200	PROGRAM-ID. EAEROUUI.											
	autnor. Iuture school cursos de computacao.											
000400	*											
000500	* GERAR ARQ	UIVO DE PECA	S SELECIONADAS									
000600	*											
000700	ENVIRONMEN'	T DIVISI	ON.									
00800	CONFIGURAT	ION SECTIO	Ν.									
000900	SPECIAL-NA	MES.										
001000		DECIMA	L-POINT IS COM	MA.								
001100	*											
		001200	INPUT-OUTPUT	SECTION.								
		001300	FILE-C	ONTROL.								
	001400	SELECT	CADPECA	ASSIGN TO	UT-S-CADPECA							
	001500		FILE STA	TUS IS FS-	CADPECA.							
			001600 *	t								
	001700	SELECT	CADATU	ASSIGN TO	UT-S-CADATU							
	001800		FILE STA	ATUS IS FS-	-CADATU.							
Cc	mmand ===>				Scroll ===> CSR							
	F1=Help	F3=Exit	F5=Rfind	F6=Rchange	F12=Cancel							

Podemos observar que o conteúdo da linha 00300 ficou com a letra maiúscula.

File	e Edit	Confirm	Menu	Utilities	Compiler	s I	est	Help		
EDIT *****	FU	TURE.FONTE	S.COBC	DL(EXER0001	L) - 01.08 op of Data	 } L ***	****	Columr	ns 00001 ******	00072 ******
000100		IDENTIFIC	ATION	DIVISION.						
000200		PROGRAM-I	D.	EXER0001.						
000300		AUTHOR.		FUTURE SC	CHOOL CURS	SOS E	E CON	IPUTACAO.		$\overline{}$
000400		*								_
000500		* GERAR AR	QUIVO	DE PECAS S	SELECIONAE	AS				
000600		*								
000700		ENVIRONME	NT	DIVISION.						
00800		CONFIGURA	TION	SECTION.						
000900		SPECIAL-N	AMES.							
001000				DECIMAL-H	POINT IS C	COMMA	· ·			
001100		*								
001200		INPUT-OUT	PUT	SECTION.						
001300		FILE-CONT	ROL.							
001400		SELEC	T CAI	PECA	ASSIGN	TO	UT-S	S-CADPECA	Ą	
001500			FII	LE STATUS	IS FS-C	CADPE	CA.			
001600		*								
001700		SELEC	T CAI	DATU	ASSIGN	TO	UT-S	S-CADATU		
001800			FII	LE STATUS	IS FS-C	CADAT	U.			
Comman	id ===>							Sci	roll ===	> CSR
F1=He	lp	F3=Exit	FS	5=Rfind	F6=Rchan	ige	F12=0	Cancel		



Comandos de deslocamento.

) → Desloca para a direita de uma ou mais colunas;

Digite) na linha 000300 e tecle <ENTER>.

File	Edit	Confirm	Menu 1	Utilities	Compilers	Test	Help		
EDIT *****	 FU	 TURE.FONTE ******	S.COBO	 L(EXER0001 ****** To) - 01.05 p of Data *	*****	 Col	umns 00001	00072 *****
000100		IDENTIFIC	ATION	DIVISION.	-				
00200		PROGRAM-I	D.	EXER0001.					
)00300		AUTHOR.		FUTURE SC	HOOL CURSOS	DE CON	MPUTAC	CAO.	
000400		*							
000500		* GERAR AR	QUIVO I	DE PECAS S	ELECIONADAS				
000600		*							
000700		ENVIRONME	NT	DIVISION.					
00800		CONFIGURA	TION	SECTION.					
000900		SPECIAL-N	AMES.						
001000				DECIMAL-P	OINT IS COM	MA.			
001100		*							
001200		INPUT-OUT	PUT	SECTION.					
001300		FILE-CONT	ROL.						
001400		SELEC	T CAD	PECA	ASSIGN T	O UT-S	S-CADE	PECA	
001500			FIL	E STATUS	IS FS-CAD	PECA.			
001600		*							
001700		SELEC	T CAD	ATU	ASSIGN T	O UT-S	S-CADA	ATU	
001800			FIL	E STATUS	IS FS-CAD	ATU.			
Command	===>							Scroll ===	> CSR
F1=Help)	F3=Exit	F5:	=Rfind	F6=Rchange	F12=0	Cancel	_	

Podemos observar o deslocamento para a direita da linha 00300;

	File	Edit (Confirm	Menu	Utilities	Compi	lers	Test	Help			
	EDIT	FUTU	JRE.FONTI	ES.COB	OL (EXER000	1) - 01	.05		Colum	nns 00	001 00	072
	***** *	* * * * * * * *	******	* * * * * *	********	op of Da	ata **	*****	******	* * * * * *	*****	****
	000100]	IDENTIFI	CATION	DIVISION	•						
	000200	ł	PROGRAM-	ID.	EXER0001	•						
\subset	000300		AUTHOR	•	FUTURE	SCHOOL	CURSO	S DE C	COMPUTAC	CAO.		>
	000400	*										
	000500	*	GERAR A	RQUIVO	DE PECAS	SELECION	IADAS					
	000600	*										
	000700	E	ENVIRONM	ENT	DIVISION	•						
	00800	C	CONFIGUR	ATION	SECTION.							
	000900	5	SPECIAL-1	NAMES.								
	001000				DECIMAL-1	POINT IS	S COMM	Α.				
	001100	*										
	001200]	INPUT-OU	TPUT	SECTION.							
	001300	E	TILE-CON	TROL.								
	001400		SELE	CT CA	DPECA	ASSIC	GN TO	UT-S	-CADPEC	CA		
	001500			FI	LE STATUS	IS FS	S-CADP	ECA.				
	001600	*										
	001700		SELE	CT CA	DATU	ASSIC	GN TO	UT-S	-CADATU	J		
	001800			FI	LE STATUS	IS FS	S-CADA	TU.				
	Command	===>							Sc	croll	===> (CSR
	F1=Help	E	3=Exit	F	5=Rfind	F6=Rch	nange	F12=0	Cancel			



(

➔

Desloca para a esquerda de uma ou mais colunas;

Digite (na linha 000300 e tecle <ENTER>.

File	Edit Confirm Me	enu Utilities	Compilers Test Help
EDIT	FUTURE.FONTES.	COBOL (EXER0001	1) - 01.05 Columns 00001 00072
000100	TDENUTETON	TON DIVISION	pp of Data Anna Anna Anna Anna Anna Anna Anna A
00100	IDENTIFICAT	TION DIVISION.	•
000200	PROGRAM-ID.	EXERUUUI.	
(00300	AUTHOR.	FUTURE SC	CHOOL CURSOS DE COMPUTACAO.
000400	*		
000500	* GERAR ARQU	JIVO DE PECAS S	SELECIONADAS
000600	*		
000700	ENVIRONMENI	DIVISION.	
00800	CONFIGURATI	ION SECTION.	
000900	SPECIAL-NAM	MES.	
001000		DECIMAL-H	POINT IS COMMA.
001100	*		
001200	INPUT-OUTPU	JT SECTION.	
001300	FILE-CONTRO	DL.	
001400	SELECT	CADPECA	ASSIGN TO UT-S-CADPECA
001500		FILE STATUS	IS FS-CADPECA.
001600	*		
001700	SELECT	CADATU	ASSIGN TO UT-S-CADATU
001800	011101	FILE STATUS	IS FS-CADATH
Command	===>	1111 0111100	Scroll ===> CSR
F1-Holr		F5-Rfind	F6-Pchange F12-Cancel
r r-uerF	FJ-EAIL	r J=n r mu	ro-Kenange riz-cancer

Podemos observar o deslocamento para a esquerda da linha 00300;

File Edit Confirm Menu Utilities Compilers Test Help _____ EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.05 Columns 00001 00072 000100 IDENTIFICATION DIVISION. PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000200 AUTHOR. 000300 000400 * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 * ENVIRONMENT DIVISION CONFIGURATION SECTION. 000600 DIVISION. 000700 00800 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. * 001100 INPUT-OUTPUT SECTION. 001200 001300 FILE-CONTROL. FILE-CONTROL. SELECT CADPECA ASSIGN TO UT-S-CADPECA FILE STATUS IS FS-CADPECA. 001400 001500 001600 001700 SELECT CADATU ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. 001800 Command ===> Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel



Comandos Diversos.

COLS → Trás uma ou mais requas, com a identificação das colunas.

Digite COLS na linha 000100 e tecle <ENTER>.

File Edit Confirm Menu Utilities Compilers Test Help _____ EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.08 Invalid command COLS IDENTIFICATION DIVISION. COLS PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000200 000300 000400 * GERAR ARQUIVO DE PECAS SELECIONADAS * 000500 000600 ENVIRONMENT CONFIGURATION DIVISION. 000700 008000 SECTION. 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. 001100 * INPUT-OUTPUT FILE-CONTROL. 001200 SECTION. 001300 SELECT CADPECA ASSIGN TO UT-S-CADPECA 001400 FILE STATUS IS FS-CADPECA. 001500 001600 SELECT CADATU ASSIGN TO UT-S-CADATU 001700 FILE STATUS IS FS-CADATU. 001800 Command ===> Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Podemos observar a requa com as posições delimitadas.

File Edit Confirm Menu Utilities Compilers Test Help Columns 00001 00072 EDTT FUTURE.FONTES.COBOL(EXER0001) - 01.08 =COLS> ----+----1----+----2---+----3---++----4---++----5---++----6---++----7--000100 IDENTIFICATION DIVISION. PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000200 000300 * 000400 * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 * ENVIRONMENT DIVISION CONFIGURATION SECTION. 000600 000700 DIVISION. 00800 SPECIAL-NAMES. 000900 001000 DECIMAL-POINT IS COMMA. * 001100 001200 INPUT-OUTPUT SECTION. FILE-CONTROL. 001300 CADPECA ASSIGN TO UT-S-CADPECA FILE STATUS IS FS-CADPECA. 001400 SELECT CADPECA 001500 001600 001700 SELECT CADATU ASSIGN TO UT-S-CADATU Command ===> Scroll ===> CSR F3=Exit F5=Rfind F6=Rchange F12=Cancel F1=Help





MAX <PF7/PF8>

Exibir o início M + <PF7> ou o fim M + <PF8> do programa.

Exemplo: M + <PF7>

Digite \underline{M} na linha de COMANDO e tecle <PF8>.

File	Edit	Confirm	Menu	Utilities	Compilers	Test	Help
 EDIT *****	 F'	UTURE.F(ONTES.(******	COBOL (EXERO)	001) - 01.05 Top of Data	****	Columns 00001 00072
000100)	IDENT:	IFICAT	ION DIVISIO	ON.		
000200)	PROGRA	AM-ID.	EXER00	01.		
000300)	AUTHO	х.	FUTURE	SCHOOL CURS	OS DE	COMPUTACAO.
000400)	*					
000500)	* GERAI	R ARQUI	IVO DE PECAS	S SELECIONADA	AS	
000600)	*					
000700)	ENVIR	ONMENT	DIVISI	ON.		
000800)	CONFI	GURATIO	ON SECTION	Ν.		
000900)	SPECIA	AL-NAME	ES.			
001000)			DECIMAI	L-POINT IS CO	OMMA.	
001100)	*					
001200)	INPUT	-OUTPU	r section	Ν.		
001300)	FILE-(CONTROL	J•			
001400)	SI	ELECT	CADPECA	ASSIGN	TO U	T-S-CADPECA
001500)			FILE STATUS	S IS FS-CA	ADPECA	
001600)	*					
001700)	SI	ELECT	CADATU	ASSIGN	TO U	T-S-CADATU
001800)	\wedge		FILE STATUS	S IS FS-CA	ADATU.	
Commar	nd ===>	М					Scroll ===> CSR
F1=H€	elp	F3=Ex:	it	F5=Rfind	F6=Rchane	ge Fl	2=Cancel

Podemos observar o deslocamento para o fim do programa;

File	Edit	Confirm Me	enu	Utilities	Compilers	Test	Help		
EDIT	FU	TURE.FONTES	.сов	OL (EXER0001	L) - 01.05		Columns	s 00001	00072
026400		*=========							=====*
026500		900-00-ERR	С		SECT	ION.			
026600		*=========							=====*
026700									
026800		DISPLA	Y '*	* * * * * * * * * * *	**** EXER00	01 ***	* * * * * * * * * *	****	
026900		DISPLA	Y '*					* '	
027000		DISPLA	Y '*	ERRO ' FS-	-OPERACAO '	DO ARQ	UIVO ' FS-	-ARQUIV	0 ' *'
027100		DISPLA	Y '*					* '	
027200		DISPLA	Y '*	FILE STATU	JS = ' FS-CO	D-STAT	US		
027300			'			* '			
027400		DISPLA	Y '*					* '	
027500		DISPLA	Y '*	PROGRAMA H	ENCERRADO'				
027600			'		* '				
027700		DISPLA	Y '*					* '	
027800		DISPLA	Y '*	* * * * * * * * * * * *	**** EXER00	01 ***	* * * * * * * * * *	* * * * !	
027900		STOP	RU	Ν.					
028000									
028100		900-00-FIM		EXIT.					
***** *	* * * * *	* * * * * * * * * * * *	* * * *	***** Bot	tom of Data	*****	* * * * * * * * * *	* * * * * * *	* * * * * * *
Command	===>						Scro	oll ===	> CSR
F1=Help		F3=Exit	F	5=Rfind	F6=Rchange	F12=	Cancel		

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Digite <u>M</u> na linha COMANDO e tecle < PF7>.

File	Edit	Confirm N	lenu	Utilities	Compilers	s Test	Help		
EDIT	FU	TURE.FONTES	G.COB	 DL (EXER000	1) - 01.05		Colum	nns 00001	00072
026400		*=========							=====*
026500		900-00-ERF	RO		SEC	CTION.			
026600		*=========							=====*
026700									
026800		DISPLA	Y '*	* * * * * * * * * *	**** EXERC	001 **	*******	*****	
026900		DISPLA	ΑΥ '*					* '	
027000		DISPLA	ΑΥ '*	ERRO ' FS	-OPERACAO '	DO AR	QUIVO ' E	S-ARQUIV	0 ' *'
027100		DISPLA	ΑΥ '*					* '	
027200		DISPLA	ΑΥ '*	FILE STAT	US = ' FS-C	COD-STA	TUS		
027300			'			* '			
027400		DISPLA	Y '*					* '	
027500		DISPLA	ΑΥ '*	PROGRAMA	ENCERRADO'				
027600			'		*	1			
027700		DISPLA	Y '*					* '	
027800		DISPLA	Y '*:	* * * * * * * * * *	**** EXERC	001 **	* * * * * * * * *	* * * * * *	
027900		STOP	RUI	Ν.					
028000									
028100		900-00-FIN	1.	EXIT	•				
* * * * * *	*****	*********	****	***** Bo	ttom of Dat	a ****	* * * * * * * * *	*******	* * * * * * *
Command	===>	M)					Sc	croll ====	> CSR
F1=Help	p 🔪	F3≠Exit	F	5=Rfind	F6=Rchang	je F12	=Cancel		

Podemos observar o deslocamento para o início fim do programa;

File	Edit	Confirm	Menu	Utilities	Compiler	s T	est	Help		
EDIT	FU	JTURE.FONT	ES.COE	OL (EXER0001) - 01.05			Columns	00001 00)072
*****	*****	*********	~ ~ ~ ~ ~ ~ ~		p of Data	***	****	* * * * * * * * * * *	*******	****
000100		IDENTIFI	CATION	DIVISION.						
000200		PROGRAM-	ID.	EXER0001.						
000300		AUTHOR.		FUTURE SC	HOOL CURS	OS D	E CON	IPUTACAO.		
000400		*								
000500		* GERAR A	RQUIVC	DE PECAS S	ELECIONAD	AS				
000600		*								
000700		ENVIRONM	IENT	DIVISION.						
008000		CONFIGUR	ATION	SECTION.						
000900		SPECIAL-	NAMES.							
001000				DECIMAL-F	OINT IS C	OMMA				
001100		*								
001200		INPUT-OU	TPUT	SECTION.						
001300		FILE-CON	TROL.							
001400		SELE	CT CA	DPECA	ASSIGN	ТО	UT-S	S-CADPECA		
001500			FI	LE STATUS	IS FS-C	ADPE	CA.			
001600		*								
001700		SELE	CT CA	DATU	ASSIGN	ТО	UT-S	S-CADATU		
001800			FI	LE STATUS	IS FS-C	ADAT	U.			
Command	===>							Scro	11 ===> (CSR



RESET

Para cancelar um estado de exibição dos dados durante a edição;

Digite **<u>RESET</u>** ou **<u>RES</u>** na linha COMANDO e tecle <<u>ENTER</u>>, para omitir a visualização das linhas de mensagens.

File Edit Confirm Menu Utilities Compilers Test Help _____ _____ _____ ALUNONA.FONTES.COBOL(EXER0001) - 01.10 EDIT Columns 00001 00072 ==MSG> -Warning- The UNDO command is not available until you change ==MSG> your edit profile using the command RECOVERY ON. 000100 IDENTIFICATION DIVISION. FUTURE SCHOOL CURSOS * GERAR ARQUIVO DE PECAS SELECIONADAS * ENVIRONMENT DIVISTOR CONFIGURATION 000200 AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000300 000400 000500 000600 000700 00800 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. 001100 * INPUT-OUTPUT SECTION. 001200 001300 FILE-CONTROL. SELECT CADPECA 001400 ASSIGN TO UT-S-CADPECA 001500 FILE STATUS IS FS-CADPECA. 001600 Command === RES Scroll ===> PAGE F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Podemos observar que foram omitidas as linhas de mensagem;

File Edit Confirm Menu Utilities Compilers Test Help ALUNONA.FONTES.COBOL(EXER0001) - 01.10 EDIT Columns 00001 00072 000100 IDENTIFICATION DIVISION. 000200 PROGRAM-ID. EXER0001 FUTURE SCHOOL CURSOS DE COMPUTACAO. 000300 AUTHOR. 000400 * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 000600 ENVIRONMENT 000700 DIVISION. 00800 CONFIGURATION SECTION. 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. 001100 INPUT-OUTPUT 001200 SECTION. 001300 FILE-CONTROL. SELECT CADPECA ASSIGN TO UT-S-CADPECA 001400 001500 FILE STATUS IS FS-CADPECA. 001600 001700 SELECT CADATU ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. 001800 Command ===> Scroll ===> PAGE F3=Exit F5=Rfind F6=Rchange F12=Cancel F1=Help



PROFILE

Exibir o PROFILE do usuário corrente, isto é, as indicações de defaults usados para edição, para que estes valores possam ser controlados ou alterados;

Digite **PROFILE** na linha COMANDO e tecle <ENTER>.

F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel File Edit Confirm Menu Utilities Compilers Test Help FUTURE.FONTES.COBOL(EXER0001) - 01.07 Columns 00001 00072 EDTT 000100 IDENTIFICATION DIVISION. PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000200 000300 AUTHOR. 000400 * * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 * ENVIRONMENT DIVISION CONFIGURATION SECTION. 000600 000700 DIVISION. 008000 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. 001100 * 001200 INPUT-OUTPUT SECTION. FILE-CONTROL. 001300 CADPECA ASSIGN TO UT-S-CADPECA FILE STATUS IS FS-CADPECA. 001400 SELECT CADPECA 001500 001600 SELECT CADATU 001700 ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. 001800 001900 Command === PROFILE Scroll ===> CSR

Visualizaremos as configurações atuais do usuário corrente nas 5 primeiras linhas;

File Edit Confirm Menu Utilities Compilers Test Help FUTURE.FONTES.COBOL(EXER0001) - 01.07 Columns 00001 00072 EDIT ____ ****** =PROF>RES (FIXED - 80)....RECOVERY OFF WARN....NUMBER ON STD..... =PROF>CAPS ON....HEX OFF....NULLS OFF....TABS OFF..... =PROF>AUTOSAVE OFF PROMPT....AUTONUM OFF....AUTOLIST OFF....STATS ON..... =PROF>PROFILE UNLOCK....IMACRO NONE....PACK OFF....NOTE ON..... PROF>HILITE COBOL FIND..... 000100 IDENTIFICATION DIVISION. 000200 PROGRAM-ID. EXER0001 PROGRAMTID. PARKUUUI. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000300 000400 * * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 * ENVIRONMENT DIVISION CONFIGURATION SECTION. 000600 000700 DIVISION. 00800 000900 SPECIAL-NAMES. - MAMES * INPUT-OUTPUT FILE-CONTRA-001000 DECIMAL-POINT IS COMMA. 001100 001200 SECTION. 001300 SELECT CADPECA ASSIGN TO UT-S-CADPECA 001400 Command ===> Scroll ===> CSR



RECOVERY

Para Ativar ou Desativar o modo de recuperação, que tema finalidade de desfazer os comandos executados pelo usuário;

Digite **<u>RECOVERY ON</u>** na linha COMANDO e tecle <ENTER>.

File Edit Confirm Menu Utilities Compilers Test Help _____ _____ EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.07 Columns 00001 00072 000100 IDENTIFICATION DIVISION. 000200 PROGRAM-ID. EXER0001. 000300 AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. . * 000400 * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 000600 ENVIRONMENT DIVISION. CONFIGURATION SECTION. ENVIRONMENT 000700 008000 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. * 001100 001200 INPUT-OUTPUT 001300 FILE-CONTROL. SECTION. 001300 FILE-CONTROL. ASSIGN TO UT-S-CADPECA 001400 SELECT CADPECA 001500 FILE STATUS IS FS-CADPECA. 001600 * 001700 SELECT CADATU ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. 001800 001900 Command === RECOVERY ON Scroll ===> CSR

UNDO

Cancela o último comando executado, sucessivamente;

Digite na linha 000500 uma frase e tecle <ENTER>,depois digite <u>UNDO</u> na linha de COMANDO<ENTER>.

Scrol	1 ===> CS	SR							
Fi	le Edit	Confirm	Menu	Utilities	Compilers	Test	Help		
EDIT	' F(JTURE.FONT	ES.COB	DL(EXER0001) - 01.08		Columns	00001	00072
0002	200	PROGRAM-	ID.	EXER0001.					
0003	00	AUTHOR.		FUTURE SCI	HOOL CURSOS	DE CON	IPUTACAO.		
0004	00	* =====================================			<u> </u>				
		* TSO EDI	TOR MA.	LNFRAME	\mathcal{A}				
0000	500	~		DIVISION					
0007	00	ENVIRONM	ENT METON	DIVISION.					
0008	00	CONFIGUR	ATION	SECTION.					
0009	000	SPECIAL-	NAMES.	DECTMAL	OTNE TO CON	() ()			
0010	00	+		DECIMAL-PO	JINT IS COM	11MA .			
0011	.00	TNDUE OU		0000000					
0012	200	INPUT-OU	TPUT	SECTION.					
0013	00	FILE-CON	TROL.		ACCTON				
0014	00	SELE	CT CAI	JPECA	ASSIGN 1	DDDDD	S-CADPECA		
0015	000	+	F.T.	LE STATUS	IS FS-CAL	PECA.			
0010	000	0.001.0	om 03.1	22.001	ACCTON D				
0017	00	SELE	CT CAI	JATU	ASSIGN 1	:0 UT-5	S-CADATU		
0018	00	.1.	F.T.	LE STATUS	IS FS-CAL	DATU.			
0019	000	*		57117 67 61					
0020	00	DATA		DIVISION.					
0021	.00	FILE		SECTION.					~ ~ -
Comm	land = ==>	UNDO)				Scro	TT ===;	> CSR
		_	/						

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Podemos observar que foi descartada a digitação feita na linha 000500, repetindo o comando **UNDO** ele irá desfazer o comando anterior a digitação da linha e assim sucessivamente..

	File	Edit Co	nfirm 1	Menu	Utilities	Compilers	Test	Help		
	EDIT 000200 000300	FUTUF PF AU	E.FONTE OGRAM-I THOR.	S.COB D.	OL(EXER0001 EXER0001. FUTURE SC	.) - 01.07 CHOOL CURSO	S DE CO	Columns	00001	00072
<	000400 000500 000600	* * G	ERAR AR	QUIVO	DE PECAS S	SELECIONADA	S	>		
	000700 000800 000900	EN CC SE	VIRONME NFIGURA ECIAL-N	NT TION AMES.	DIVISION. SECTION.					
	001000 001100	* *			DECIMAL-E	POINT IS CO	MMA.			
	001200 001300 001400	FI	LE-CONT SELEC	ROL. I CA	DPECA	ASSIGN	TO UT.	-S-CADPECA		
	001300 001600 001700	*	SELEC'	гı Г СА БТ	DATU	ASSIGN	TO UT	-S-CADATU		
	001800	* DA	TA	ΓI	DIVISION.	15 F5-CA	DAIU.			
	Command	===> F.T	나라		SECTION.			Scro	11 ====	> CSR

CANCEL

Cancelar uma edição sem salvar as alterações efetuadas;

Digite na linha de comando CANCEL e tecle <ENTER>.

```
File Edit Confirm Menu Utilities Compilers Test Help
FUTURE.FONTES.COBOL(EXER0001) - 01.07
EDIT
                                                  Columns 00001 00072
000100IDENTIFICATIONDIVISION.000200PROGRAM-ID.EXER0001.000300AUTHOR.FUTURE SCHOOL CURSOS DE COMPUTACAO.
      AU.
*
* GERAR AK<u>k</u>
*
ENVIRONMENT
CONFIGURATION
SPECIAL-NAMES.
^UJTPUT
`~L.
000400
          * GERAR ARQUIVO DE PECAS SELECIONADAS
000500
000600
                        DIVISION.
000700
00800
           CONFIGURATION SECTION.
000900
                         DECIMAL-POINT IS COMMA.
001000
         * SECTION.
001100
001200
001300
                     CADPECA ASSIGN TO UT-S-CADPECA
FILE STATUS IS FS-CADPECA.
001400
               SELECT CADPECA
001500
001600
          *
          SELECT CADATU
001700
                                  ASSIGN TO UT-S-CADATU
                      FILE STATUS IS FS-CADATU.
001800
001900
Command == \neq CANCEL
                                                     Scroll ===> CSR
```



Será pedida uma confirmação de cancelamento, pois todas as alterações feitas serão perdidas.

Caso queira cancelar tecle <ENTER>, caso não queira perder aos alterações tecle <F3>.

File	Edit	Coni	firm	Menu	Uti	lities	Cor	npiler	s T	est	Help	>
• E *				00	111111	i cance.	L					• mns 00001 00072 *****
0 Dat	ta set	has b	been (chang	ed							
0												
0												0.
0 Ins	structi	ons:										1
0												
0	Press	ENTER	R key	to c	onfir	m cance	el re	equest	•			1
0	(All c	change	es wi	ll be	disc	arded)						1
0												1
0	Enter	END (or EX	IT co	mmanc	l to ret	turn	to				1
0	edit c	or vie	ew sea	ssion	•							
0												
0												
0 Cor	nmand =	===>										
0 '												-' CA
001500				F	ILE S	TATUS	IS	S FS-C	ADPE	CA.		
001600		*										
001700			SELE	CT C	ADATU	I	AS	SSIGN	TO	UT-	S-CAI	DATU
001800				F	ILE S	TATUS	IS	S FS-C	ADAT	U.		
001900		*										
Command	≤=== k											Scroll ===> CSR

LOCATE

Para localizar digite L 3500 e tecle <ENTER>. O TSO localizará o LINHA 003500.

File	Edit	Confirm	Menu	Utilities	Compilers	s T	est	Help			
EDIT	FU	TURE.FONT	ES.COB	DL(EXER0001) - 01.07			Col	umns	00001	00072
000200		PROGRAM-	ID.	EXER0001.							
000300		AUTHOR.		FUTURE SC	HOOL CURSO	DS D	E CON	MPUTAC	CAO.		
000400		*									
000500		* GERAR A	RQUIVO	DE PECAS S	ELECIONADA	AS					
000600		*									
000700		ENVIRONM	ENT	DIVISION.							
00800		CONFIGUR	ATION	SECTION.							
000900		SPECIAL-	NAMES.								
001000				DECIMAL-P	OINT IS CO	OMMA					
001100		*									
001200		INPUT-OU	TPUT	SECTION.							
001300		FILE-CON	TROL.								
001400		SELE	CT CAI	OPECA	ASSIGN	ТО	UT-S	S-CADE	ECA		
001500			FI	LE STATUS	IS FS-CA	ADPE	CA.				
001600		*									
001700		SELE	CT CAI	DATU	ASSIGN	ТО	UT-S	S-CADA	TU		
001800			FII	LE STATUS	IS FS-CA	ADAT	U.				
001900		*									
002000		DATA		DIVISION.							
002100	/	FILE	<	SECTION.							
Command	====>	1 3500)						Scro	ll ===>	> CSR



Podemos observar que foi localizada linha 003500.

	File F	Edit	Conf	Eirm	Menu	Utilitie	s C	ompilers	Test	Help			
<	EDIT 003500 003600	FUT	URE.	FON: 05 05	IES.COE PR-UNI PERDA	BOL (EXEROO TARIO	01)	- 01.07 PIC PIC	<mark>9(07)</mark> 9(07)	Col V99. V99.	Lumns	00001	00072
	003700 003800			05 05	TIPO FILLEF	{		PIC PIC	X(01) X(06)	•			
	003900	*	FD	CAD	ז זית א								
	004100		ĽD	REC	ORD	CONTAINS	80	CHARACTE	RS				
	004200 004300			REC(ORDING EL	MODE RECORD	IS IS	F STANDARD					
	004400 004500		01	DATA	а -сарати	RECORD	I	S REG-CA	DATU.				
	004600			05	COD-AI	U.		PIC	9(05) X(20)	•			
	004800			05	QTD-AI	U.		PIC	9(05)	•			
	004900 005000			05 05	QTD-MI QTD-MA	IN-ATU AX-ATU		PIC PIC	9(05) 9(05)				
	005100			05	FORN-A	ATU TU-ATU		PIC	X(05) 9(07)	1799			
	005300			05	PERDA-	-ATU		PIC	9(07)	v99.			
	005400 Command =	===>		05	TIPO-A	7.T.O		PIC	X(U1)	•	Scro	11 ===:	> CSR

SAVE

Para salvar as alterações efetuadas em um arquivo;

Digite na linha de comando **<u>SAVE</u>** e tecle <ENTER>.

File	Edit	Confirm	Menu	Utilities	Compilers	s T	est	Help				
EDIT	FU	TURE.FONT	ES.COB	DL(EXER0001) - 01.07				No	more	to	UNDO
000200		PROGRAM-	ID.	EXER0001.								
000300		AUTHOR.		FUTURE SC	HOOL CURSC	DS D	E COI	MPUTAC	AO.			
000400		*										
000500		* GERAR A	RQUIVO	DE PECAS S	ELECIONADA	AS						
000600		*										
000700		ENVIRONM	ENT	DIVISION.								
00800		CONFIGUR	ATION	SECTION.								
000900		SPECIAL-	NAMES.									
001000				DECIMAL-P	OINT IS CO	OMMA	•					
001100		*										
001200		INPUT-OU	TPUT	SECTION.								
001300		FILE-CON	TROL.									
001400		SELE	CT CAI	OPECA	ASSIGN	TO	UT-S	S-CADP	ECA			
001500			FII	LE STATUS	IS FS-CA	ADPE	CA.					
001600		*										
001700		SELE	CT CAI	DATU	ASSIGN	то	UT-S	S-CADA	TU			
001800			FII	LE STATUS	IS FS-CA	DAT	U.					
001900		*										
002000		DATA		DIVISION.								
002100		FILE		SECTION.								
Command	==(=>	SAVE)						Scro)ll ==	:=>	CSR

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Podemos observar que foi salvo o EXER0001, através da mensagem na tela.

File Edit Confirm Menu Utilities Compilers Test Help EDIT FUTURE.FONTES.COBOL(EXER0001) - 01.07 Member EXER0001 saved PROGRAM-ID. EXER0001. 000200 000300 AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000400 * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 ENVIRONMENT 000600 DIVISION. 000700 008000 CONFIGURATION SECTION. 000900 SPECIAL-NAMES. DECIMAL-POINT IS COMMA. 001000 * 001100 INPUT-OUTPUT FILE-CONTROL. 001200 SECTION. 001300 FILE-CONTROL. SELECT CADPECA ASSIGN TO UT-S-CADPECA 001400 001500 FILE STATUS IS FS-CADPECA. 001600 * SELECT CADATU 001700 ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. 001800 * 001900 DATA FILE 002000 DIVISION. 002100 SECTION. Command ===> Scroll ===> CSR

FIND (F)

Para procurar um conjunto específico de caracteres no arquivo;

Digite na linha de comando \underline{F} + (a literal a ser procurada) e tecle <ENTER>.

File	Edit	Confirm	Menu	Utilities	Compilers	5 T	est	Help		
EDIT *****	FU *****	TURE.FONTE *******	ES.COB	DL(EXER0001 ******* To) - 01.07 p of Data	***	****	Colum	ins 0000)1 00072
000100		IDENTIFIC	CATION	DIVISION.						
000200		PROGRAM-I	D.	EXER0001.						
000300		AUTHOR.		FUTURE SC	HOOL CURS	DS D	E CON	1PUTACAO).	
000400		*								
000500		* GERAR AF	RQUIVO	DE PECAS S	ELECIONADA	AS				
000600		*								
000700		ENVIRONME	INT	DIVISION.						
008000		CONFIGURA	ATION	SECTION.						
000900		SPECIAL-N	NAMES.							
001000				DECIMAL-P	OINT IS CO	OMMA				
001100		*								
001200		INPUT-OUT	PUT	SECTION.						
001300		FILE-CONT	ROL.							
001400		SELEC	CT CA	DPECA	ASSIGN	TO	UT-S	G-CADPEC	A	
001500			FI	LE STATUS	IS FS-CA	ADPE	CA.			
001600		*								
001700		SELEC	CT CA	DATU	ASSIGN	ТО	UT-S	S-CADATU	ſ	
001800			FI	LE STATUS	IS FS-CA	ADAT	U.			
001900		*								
Command	l = (=>	F PIC)					Sc	roll ==	==> CSR

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Constatamos que o cursor foi posicionado no 1º PIC encontrado no programa, para ir para o próximo PIC tecle <PF5> essa tecla de atalho visualiza todos PIC de 1 em 1.



X ALL

Usado para exibir linhas com conteúdo específico. Digite na linha de comando <u>X ALL</u> e tecle <ENTER>.

File	Edit Confirm	m Menu	Utilities	Compiler	s T	est	Help			
 EDIT ******	ALUNONA.F(ONTES.COB *******	BOL (EXEROOC	01) - 01.0 p of Data	 7 ***	****	Col	Lumns 0000)1 00 ****)072 ****
000100	IDENTI	FICATION	DIVISION.							
000200	PROGRAM	M-ID.	EXER0001.							
000300	AUTHOR	•	FUTURE SC	HOOL CURS	OS D	E COM	IPUTAC	CAO.		
000400	*									
000500	* GERAR	ARQUIVO	DE PECAS S	SELECIONAD	AS					
000600	*									
000700	ENVIRO	NMENT	DIVISION.							
008000	CONFIG	JRATION	SECTION.							
000900	SPECIAL	L-NAMES.								
001000			DECIMAL-F	POINT IS CO	AMMC	•				
001100	*									
001200	INPUT-0	JUTPUT	SECTION.							
001300	FILE-CO	ONTROL.								
001400	SEI	LECT CAI	PECA	ASSIGN	TO	UT-S	S-CADE	PECA		
001500		FII	LE STATUS	IS FS-CA	ADPE	CA.				
001600	*									
001700	SEI	LECT CAI	DATU	ASSIGN	TO	UT-S	S-CADA	ΑTU		
Commanc	d ==== 🔁 X ALL							Scroll ==	==> P	PAGE
F1=Hel	.p F3=Exit	t F:	5=Rfind	F6=Rchan	ge	F12=0	Cancel	L		

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Podemos observar que foram omitidas todas as linhas do programas, não foram excluídas apenas não estão sendo exibidas .

File	Edit	Confirm	Menu	Utilities	Compilers	Test	Help	
EDIT ****** ******	AL	UNONA . FON	TES.CC	DBOL (EXEROU ******** T ******* Bo	01) - 01.07 op of Data * ttom of Data	281	All lines excluded ***********************************	>
Command F1=Hel	l ===> .p	F3=Exit	F	'5=Rfind	F6=Rchange	F12=	Scroll ===> PAGE Cancel	

O comando **X ALL**, como descrito enibe a exibição de todas as linhas, para visualizar as linhas com a literal desejada utilizamos o comando **FIND LITERAL ALL**. Para exibir as linhas que contenham uma literal exemplo;

Selecionemos então as linhas de contenham a literal CADATU, digite o comando <u>F CADATU</u> <u>ALL</u> e tecle <ENTER>.

File	Edit	Confirm	Menu	Utilitie	s Compil	lers	Test	Help	
EDIT	AL	UNONA.FON	TES.CO	BOL (EXERO	001) - 01	1.07		All	lines excluded
					TopotDa 	ata *' 	281	Line(s)	not Displayed
* * * * * *	* * * * * *	* * * * * * * * *	* * * * * *	***** Bo	ottom of	Data	* * * * *	******	****

Command ===> F CA	DATU ALL		Scroll	===>	PAGE
F1=Help F3=	Exit F5=Rfind	F6=Rchange	F12=Cancel		



Na tela temos apenas as linhas que contêm a literal CADATU, para visualizar as próximas telas basta teclar <PF8>. Para apresentar todas as linhas novamente digite na linha de commando RES e tecle <Enter>.

File	Edit	Confirm Men	u Utilities	Compilers Test Hel	р
EDIT *****	AI * * * * *	JUNONA.FONTES.	COBOL (EXER000) ********* Toj) - 01.07 of Data ***********	19 CHARS 'CADATU'
· 001700 001800		SELECT	CADATU	16 Lin ASSIGN TO UT-S-CA	e(s) not Displayed DATU
004000				21 Lir	e(s) not Displayed
- <u>-</u>		 DATA 01 BEG-CADA	ECORD	3 Lin IS REG-CADATU.	e(s) not Displayed
007200		77 FS-CADAT	U	26 Lir PIC X(02) VAI	ue(s) not Displayed
010500			OUTPUT CADAT	32 Lir. .	e(s) not Displayed
011700		PERFORM	001-03-FS	CADATU.	le(s) not Displayed
013600		001-03-FS-CA		18 Lir SECTION.	e(s) not Displayed
Command	 ===>			2 Lir	e(s) not Displayed Scroll ===> PAGE
F1=Help	0	F3=Exit	F5=Rfind	F6=Rchange F12=Canc	el

CHANGE (CHG) Para procurar e alterar um conjunto específico de caracteres no texto;

Digite na linha de comando CHG CADPECA CADALUNO ALL e tecle <ENTER>.

File	Edit	Confirm	Menu	Utilities	Compilers	Test	Help		
EDIT	 FU	 TURE.FONT: ********	ES.COB	DL(EXER0001) - 01.07		Columns	3 00001 0	0072
000100		TDENTTET	CATTON	IO NOTSTUTO	p or Data '				
000200		PROGRAM-	TD.	EXERODO1					
000300		AUTHOR.	10.	FUTURE SC	HOOL CURSOS	S DE COI	MPUTACAO.		
000400		*							
000500		* GERAR A	RQUIVO	DE PECAS S	ELECIONADAS	3			
000600		*							
000700		ENVIRONM	ENT	DIVISION.					
008000		CONFIGUR	ATION	SECTION.					
000900		SPECIAL-	NAMES.						
001000				DECIMAL-P	OINT IS CON	MMA.			
001100		*							
001200		INPUT-OU	TPUT	SECTION.					
001300		FILE-CON	TROL.						
001400		SELE	CT CA	DPECA	ASSIGN 7	TO UT-	S-CADPECA		
001500			FI	LE STATUS	IS FS-CAI	OPECA.			
001600		*							
001700		SELE	CT CA	DATU	ASSIGN 7	FO UT-	S-CADATU		
001800			FI	LE STATUS	IS FS-CAI	DATU.			
Commanc	i ===	CHG CADPE	CA CAD	ALUNO ALL	\sim		Scro	>11 ===> (CSR
F1=Hel	р	F3=Exit	F	5=Rfind	F6=Rchange	e F12=0	Cancel		



Podemos observar que todas as literais CADPECA foram alteradas para CADALUNO.

File	Edit Confir	n Menu	Utilities	Compilers	Test He	elp	
EDIT *****	FUTURE.FO	NTES.COE	BOL (EXER0001) - 01.08	CHAE	RS 'CADPECA'	 changed ********
000100	TDENTT	TCATION	DIVISION.	p or baca			
000200	PROGRAI	4-ID.	EXER0001.				
000300	AUTHOR		FUTURE SC	HOOL CURSOS	DE COMPU	JTACAO.	
000400	*						
000500	* GERAR	ARQUIVC	DE PECAS S	ELECIONADAS			
000600	*						
000700	ENVIRO	IMENT	DIVISION.				
008000	CONFIG	JRATION	SECTION.				
000900	SPECIA	L-NAMES.					
001000			DECIMAL-P	OINT IS COMM	Α.		
001100	*						
001200	INPUT-0	OUTPUT	SECTION.				
001300	FILE-CO	ONTROL.					
-CHG>	SE:	LECT CA	DALUNO	ASSIGN TO	UT-S-C	CADALUNO	
==CHG>		FI	LE STATUS	IS FS-CADA	LUNO.		
001600	*						
001700	SE	LECT CA	DATU	ASSIGN TO	UT-S-C	CADATU	
001800		FI	LE STATUS	IS FS-CADA	TU.		
Commanc	d ===>					Scroll =	==> CSR
F1=Hel	lp F3=Exi	; F	'5=Rfind	F6=Rchange	F12=Car	ncel	

Agora vamos fazer o comando CHANGE sem a opção all.

Tecle <PF5> essa tecla de atalho visualiza todos cadaluno de 1 em 1 sem alterar.

File	Edit Confirm Menu Utilities Compilers Test Help
EDIT	ALUNONA.FONTES.COBOL(EXER0001) - 01.14 Columns 00001 00072
*****	**************************************
000001	IDENTIFICATION DIVISION.
000002	PROGRAM-ID. EXERODO1.
000003	AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO.
000004	*
000005	* GERAR ARQUIVO DE PECAS SELECIONADAS
000006	*
000007	ENVIRONMENT DIVISION.
800000	CONFIGURATION SECTION.
000009	SPECIAL-NAMES.
000010	DECIMAL-POINT IS COMMA.
000011	*
000012	INPUT-OUTPUT SECTION.
000013	FILE-CONTROL.
000014	SELECT CADPECA ASSIGN TO UT-S-CADPECA
000015	FILE STATUS IS FS-CADPECA.
000016	*
000017	SELECT CADATU ASSIGN TO UT-S-CADATU
000018	FILE STATUS IS FS-CADATU.
000019	*
Command	===> CHG CADPECA CADALUNO Scroll ===> CSR

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Introdução ao TSO

Podemos observar que todas as literais CADPECA não são alteradas para CADALUNO quando teclamos PF5.

File	Edit	Confirm M	enu	Utilities	Compiler	s T	est Hel	р	
EDIT	AI	JUNONA.FONTE	S.COB	DL(EXER000	(1) - 01.13	 5 ***	CHA * * * * * * * *	RS CADPE	CA' found
000001		TDENUTETON	TON	DIVICION	p or Data				
000001		IDENTIFICA	TION	DIVISION.					
000002		PROGRAM-ID	•	EXERUUUI.					
000003		AUTHOR.		FUTURE SC	CHOOL CURS	DS D	E COMPUT	ACAO.	
000004		*							
000005		* GERAR ARQ	UIVO	DE PECAS S	SELECIONAD	AS			
000006		*							
000007		ENVIRONMEN	Т	DIVISION.					
800000		CONFIGURAT	ION	SECTION.					
000009		SPECIAL-NA	MES.						
000010				DECIMAL-H	POINT IS CO	AMMC	•		
000011		*							
000012		INPUT-OUTP	UT	SECTION.					
000013		FILE-CONTR	OL.						
000014		SELECT	CAD	ALUNO	ASSIGN	TO	UT-S-CA	DPECA	
000015			FILE	STATUS	IS FS-CA	DPEC.	Α.		
000016		*							
000017		SELECT	CAD	ATU	ASSIGN	TO	UT-S-CA	DATU	
000018			FIL	E STATUS	IS FS-CA	ADAT	U.		
000019		*							
Command	===>							Scroll	===> CSR

CHANGE sem a opção all.

Tecle <PF6> essa tecla de atalho visualiza todos cadaluno de 1 em 1 alterando-os.

File Edit Confirm Menu Utilities Compilers Test Help -----EDIT ALUNONA.FONTES.COBOL(EXER0001) - 01.14 Columns 00001 00072 000001 IDENTIFICATION DIVISION. PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000002

 PROGRAM-ID.
 EXERUTIOL

 AUTHOR.
 FUTURE SCHOOL CURSOS

 *
 GERAR ARQUIVO DE PECAS SELECIONADAS

 *
 ENVIRONMENT

 CONFIGURATION
 SECTION.

 SPECIAL-NAMES.
 DECIMAL DOINT IS COMP

 000003 000004 000005 000006 000007 000008 000009 000010 DECIMAL-POINT IS COMMA. * INPUT-OUTPUT SECTION. 000011 000012 FILE-CONTROL. SELECT CADPECA ASSIGN TO UT-S-CADPECA 000013 000014 FILE STATUS IS FS-CADPECA. 000015 000016 * SELECT CADATU 000017 ASSIGN TO UT-S-CADATU 000018 FILE STATUS IS FS-CADATU. 000019 Scroll ===> CSR Command === CHG CADPECA CADALUNO File Edit Confirm Menu Utilities Compilers Test Help

Scroll ===> CSR



Podemos observar que as literais CADPECA são alteradas para CADALUNO quando teclamos PF6, uma a uma.

File	Edit Confirm Menu Utilities Compilers Test Help	_
EDIT	ALUNONA.FONTES.COBOL(EXER0001) - 01.15 CHARS 'CADPECA' changed	_
*****	**************************************	*
000001	IDENTIFICATION DIVISION.	
000002	PROGRAM-ID. EXER0001.	
000003	AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO.	
000004	*	
000005	* GERAR ARQUIVO DE PECAS SELECIONADAS	
000006	*	
000007	ENVIRONMENT DIVISION.	
000008	CONFIGURATION SECTION.	
000009	SPECIAL-NAMES.	
000010	DECIMAL-POINT IS COMMA.	
000011	*	
000012	INPUT-OUTPUT SECTION.	
000013	FILE-CONTROL.	
000014	SELECT CADALUNO ASSIGN TO UT-C-CADALUNO)
000015	FILE STATUS IS FS-CADPECA.	
000016	*	
000017	SELECT CADATU ASSIGN TO UT-S-CADATU	
000018	FILE STATUS IS FS-CADATU.	
000019	*	
Command	===>	

HEX

Usado para ligar ou desligar o modo de exibição das linhas no formato hexadecimal.

Digite na linha de comando HEX ON e tecle <ENTER>.

File	Edit	Confirm	Menu	Utilities	Compilers	Test	Help			
EDIT	FU	TURE.FONT	ES.COB	OL(EXER0001	.) - 01.08	++++++	Col	Lumns 000	001 00)072
000100		TDENTTET	CATTON	DIVISION	p or Data "					
000100		PROGRAM-		EXERODO1						
000200		AUTHOR	10.	FUTURE SC	HOOL CURSOS	DE COI	MPUTAC	CAC.		
000400		*		1010102 00		22 00				
000500		* GERAR A	RQUIVO	DE PECAS S	SELECIONADAS					
000600		*								
000700		ENVIRONM	ENT	DIVISION.						
008000		CONFIGUR	ATION	SECTION.						
000900		SPECIAL-	NAMES.							
001000				DECIMAL-H	POINT IS COM	MA.				
001100		*								
001200		INPUT-OU	TPUT	SECTION.						
001300		FILE-CON	TROL.							
001400		SELE	CT CA	DPECA	ASSIGN T	O UT-	S-CADE	PECA		
001500			FI	LE STATUS	IS FS-CAD	PECA.				
001600		*								
001700		SELE	ст са	DATU	ASSIGN T	O UT-	S-CADA	ATU		
001800	(FI	LE STATUS	IS FS-CAD	ATU.				
Command	l ===X	HEX ON						Scroll =	===> C	CSR
F1=Hel	α.	F3=Exit	F	5=Rfind	F6=Rchange	F12=0	Cance]			



Podemos observar o programa em código hexadecimal.

File	Edit	Confirm	Menu	Utilities	Compi	lers	Test	: He	lp		
EDIT *****	FU *****	TURE.FONT *******	'ES.COB(*****	DL (EXER0001	l) - 01 pp of I	.08 Data *	* * * * * *	****	Colum: *****	ns 0000	1 00072
000100	444444	IDENTIFI 4CCCDECCC 094553969	CATION CCECDD	DIVISION. 44CCECECDD4 00495929655	1444444 3000000	144444 000000	144444	14444 00000	44444	 4444444 0000000	44444444
000200	444444 000000	PROGRAM- 4DDDCDCD6 079679140	ID. CC4444 94B000	EXER0001. 44CECDFFFF4 00575900016	1444444 3000000	144444)00000	144444	14444 00000	44444	444444 0000000	44444444
000300	444444 000000	AUTHOR. 4CEECDD44 0143869B0	444444	FUTURE SC 44CEEEDC4EC 00643495023	CHOOL (CCDDD4(3866303	CURSOS CEDEDE 349262	5 DE 0 54CC40 204503	COMPU CDDDE 36474	TACAO ECCCD 313161	4444444 3000000	44444444
000400 Command	444444 000000 d ===>	* 544444444 C00000000	444444	4444444444	1444444	144444)00000	144444	14444 00000	44444 000000 Sc:	4444444 0000000 roll ==	44444444 00000000 => CSR

Digite na linha de comando HEX OFF e tecle <ENTER>.

File	Edit	Confirm	Menu	Utilities	Comp	pilers	Test	Help		
EDIT *****	FU *****	TURE.FONT ********	ES.COB(DL(EXER0001 ******** To) - (p of)1.08 Data *	*****	Col *****	umns 00 ******	001 00072 ******
000100	444444	IDENTIFI 4CCCDECCC 094553969	CATION CCECDD4 3139650	DIVISION. 44CCECECDD4 0049592965B	44444	 1444444)0000000	1444444 0000000	444444	 4444444 0000000	444444444 0000000000000000000000000000
000200	444444 000000	PROGRAM- 4DDDCDCD6 079679140	ID. CC44444 94B0000	EXER0001. 44CECDFFFF4 0057590001B	44444	1444444)0000000	1444444	444444	444444 0000000	444444444 0000000000000000000000000000
000300	444444 000000	AUTHOR. 4CEECDD44 0143869B0	444444	FUTURE SC 44CEEEDC4EC 00643495023	HOOL CDDD4 8663(CURSOS ACEDEDE)349262	DE CO 24CC4CD 2045036	MPUTAC DDEECC 474313	AO. CD44444 16B0000	444444444 0000000000000000000000000000
000400	444444	* 544 <u>444444</u> 200000000	444444	14444444444 000000000000000000000000000	44444	1444444)0000000	444444	444444 000000	444444 0000000	444444444 0000000000000
Command F1=Hel	d ===> (Lp	HEX OFF F3=Exit	F	5=Rfind	F6=H	Rchange	e F12=	Cancel	Scroll	===> CSR

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Podemos observar o programa em linguagem COBOL novamente.

File	Edit Confirm Me	enu Utilities	Compilers Test Help
EDIT ***** *	FUTURE.FONTES.	COBOL (EXER0001) - 01.08 Columns 00001 00072
000100	IDENTIFICAT	ION DIVISION.	p of Baca
000200	AUTHOR.	FUTURE SC	HOOL CURSOS DE COMPUTACAO.
000400	*		
000500	* GERAR ARQU	JIVO DE PECAS S	ELECIONADAS
000600			
000700		ON SECTION.	
0000000	SPECIAL-NAM	IES	
001000	OIDOIND NIL	DECIMAL-P	OINT IS COMMA.
001100	*		
001200	INPUT-OUTPU	T SECTION.	
001300	FILE-CONTRO)L.	
001400	SELECT	CADPECA	ASSIGN TO UT-S-CADPECA
001500		FILE STATUS	IS FS-CADPECA.
001600	*		
001700	SELECT	CADATU	ASSIGN TO UT-S-CADATU
001800		FILE STATUS	IS FS-CADATU.
Command	===>		Scroll ===> CSR
FI=Helb	F3=Exit	F5=RIINd	F6=Rchange F12=Cancel

Comandos de numeração

NUMBER

Liga ou desliga a facilidade de numeração de linhas;

Digite na linha de comando **<u>NUMBER</u>** e tecle <ENTER>.

File	Edit	Confirm	Menu	Utilities	Compilers	Test Help	2
EDIT *****	FU	JTURE.FONT	ES.COB	OL (EXER0001 *******	.) - 01.08	******	Invalid parameter
000100		TDENTIFT	CATION	DIVISION.	·F		
000200		PROGRAM-	ID.	EXER0001.			
000300		AUTHOR.		FUTURE SC	CHOOL CURSOS	DE COMPUTA	ACAO.
000400		*					
000500		* GERAR A	ROUIVO	DE PECAS S	SELECIONADAS		
000600		*	~				
000700		ENVIRONM	ENT	DIVISION.			
008000		CONFIGUR	ATION	SECTION.			
000900		SPECIAL-	NAMES.				
001000				DECIMAL-B	POINT IS COM	MA.	
001100		*					
001200		INPUT-OU	TPUT	SECTION.			
001300		FILE-CON	TROL.				
001400		SELE	CT CA	DPECA	ASSIGN TO) UT-S-CAI	OPECA
001500			FI	LE STATUS	IS FS-CAD	PECA.	
001600		*					
001700		SELE	CT CA	DATU	ASSIGN TO) UT-S-CAI	DATU
001800			FI	LE STATUS	IS FS-CADA	ATU.	
Command	1 ===×	NUMBER OF	F)				Scroll ===> CSR
F1=Hel	.p	F3=Exit	F	5=Rfind	F6=Rchange	F12=Cance	el



Podemos observar que a numeração das linhas foram alteradas..

	File E	dit	Confirm Me	enu l	Jtilities	Compilers	Test	Help		
	EDIT ****** **	 FU * * * *	JTURE.FONTES	.COBOI	G(EXER0001) - 01.08 p of Data *	*****	Columns 00001 00	 072 ****	
	00001		IDENTIFICA	FION	DIVISION.	-				
	000002		PROGRAM-ID	•	EXER0001.					
1	000003	\	AUTHOR.	R. FUTURE SCHOOL CURSOS DE COMPUTACAO.						
1	000004	1	*							
	000005		* GERAR ARQU	JIVO I	DE PECAS S	ELECIONADAS				
	000006		*							
	000007		ENVIRONMEN	Г	DIVISION.					
000008 CONFIGURATION SECTION.										
	000009		SPECIAL-NAM	4ES.						
	000010				DECIMAL-P	OINT IS COM	MA.			
	000011		*							
	000012		INPUT-OUTPU	JT	SECTION.					
	000013		FILE-CONTRO	DL.						
	000014		SELECT	CADE	PECA	ASSIGN T	O UT-	S-CADPECA		
	000015			FILE	E STATUS	IS FS-CAD	PECA.			
	000016	/	*							
1	000017		SELECT	CADA	ATU UTA	ASSIGN T	O UT-	S-CADATU		
	000018			FILE	E STATUS	IS FS-CAD	ATU.			
	Command =	==>						Scroll ===> C	SR	
	F1=Help		F3=Exit	F5=	-Rfind	F6=Rchange	F12=	Cancel		

RENUM

Para ligar a facilidade de numeração de linhas e renumerá-las;

Digite na linha de comando **<u>RENUM</u>** e tecle <ENTER>.

File	Edit	Confirm	Menu	Utilities	Compilers	Test	Help	
EDIT *****	FU *****	JTURE.FON'	IES.CO *****	BOL(EXER000 *****	1) - 01.08 op of Data	* * * * * *	Columns	00001 00072
000001		IDENTIF	ICATIO	N DIVISION	•			
000002		PROGRAM	-ID.	EXER0001				
000003		AUTHOR.		FUTURE S	CHOOL CURSO	OS DE C	OMPUTACAO.	
000004		*						
000005		* GERAR A	ARQUIV	O DE PECAS	SELECIONADA	AS		
000006		*						
000007		ENVIRON	MENT	DIVISION	•			
800000		CONFIGU	RATION	SECTION.				
000009		SPECIAL	-NAMES	•				
000010				DECIMAL-	POINT IS CO	OMMA.		
000011		*						
000012		INPUT-O	UTPUT	SECTION.				
000013		FILE-CO	NTROL.					
000014		SEL	ECT C	ADPECA	ASSIGN	TO UT	-S-CADPECA	
000015			F	ILE STATUS	IS FS-CA	ADPECA.		
000016		*						
000017		SEL	ECT C	ADATU	ASSIGN	TO UT	-S-CADATU	
000018	/		F	ILE STATUS	IS FS-CA	ADATU.		
Commanc	i == € >	RENUM)				Scrol	1 ===> CSR
F1=Hel	lp 🔪	F3=Exit		F5=Rfind	F6=Rchanc	ge F12	=Cancel	



Podemos observar que a numeração das linhas foram alteradas.

File Edit Confirm Menu Utilities Compilers Test Help FUTURE.FONTES.COBOL(EXER0001) - 01.08 Columns 00001 00072 EDIT * * * * * * IDENTIFICATION DIVISION. 00100 PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. 000200 000300 AUTHOR. 000400 000400 000500 000600 * GERAR ARQUIVO DE PECAS SELECIONADAS * GERAR ARQUIVO DE PECAS S * ENVIRONMENT DIVISION CONFIGURATION SECTION. 000700 DIVISION. 008000 000900 SPECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. * 001100 001200 INPUT-OUTPUT SECTION. FILE-CONTROL. 001300 FILE-CONTROL. SELECT CADPECA ASSIGN TO UT-S-CADPECA FILE STATUS IS FS-CADPECA. 001400 001500 001600 001700 CADATU ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU. SELECT CADATU FILE STATU 001800 Command ===> Scroll ===> CSR F1=Help F3=Exit F5=Rfind F6=Rchange F12=Cancel

Overlay Repetição especial; OO (duas letras O) indica a primeira e a última linha de um bloco a ser mergeado;

Um exemplo prático, caso você queira comentar varias linhas. Digite \underline{C} na linha que contém o asterisco na coluna 7 ex: 000400, após digite \underline{OO} na linha 001200 e \overline{OO} na linha 001500 e teclar <ENTER>.

	File Edi	t Confirm Mer	u Utilities	Compilers	Test Help)			
	EDIT ***** ***	ALUNONA.FONTES.COBOL(EXER0001) - 01.11 Columns 00001 00072							
	000100	IDENTIFICATI	ON DIVISION.	-					
	000200	PROGRAM-ID.	EXER0001.						
	000300	AUTHOR.	FUTURE SC	HOOL CURSOS	DE COMPUTA	ACAO.			
<	00 <mark>C</mark> 400	*		$ \rightarrow $					
	000500	* GERAR ARQUI	VO DE PECAS S	ELECIONADAS					
	000600	*							
	000700	ENVIRONMENT	DIVISION.						
	00800	CONFIGURATIO	ON SECTION.						
	000900	SPECIAL-NAME	IS.						
	001000		DECIMAL-P	OINT IS COMM	. AP				
	001100	*							
	000000	INPUT-OUTPUI	SECTION.		>				
	001300	FILE CONTROL							
	001400	SELECT	CADPECA	ASSIGN TO	UT-S-CAD	PECA			
	000000		FILE STATUS	IS FS-CADI	PECA.				
	001600	×							
	001700	SELECT	CADATU	ASSIGN TO) UT-S-CAE	ATU			
	001800		FILE STATUS	IS FS-CADA	ATU.				
	001900	*							
	Command ===	>				Scroll ===> CSR			

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Podemos observar que o conteúdo da linha 000400 foi repetido para as linhas do bloco marcado sem alterar o conteúdo inicial do mesmos.

File Edit Confirm Menu Utilities Compilers Test Help EDIT ALUNONA.FONTES.COBOL(EXER0001) - 01.12 Columns 00001 00072 000100 IDENTIFICATION DIVISION. 000200 000300 000400 PROGRAM-ID. EXER0001. AUTHOR. FUTURE SCHOOL CURSOS DE COMPUTACAO. AUTHOR. * * GERAR ARQUIVO DE PECAS SELECIONADAS 000500 * 000600 000700 ENVIRONMENT DIVISION. CONFIGURATION SECTION. 00800 000900 SRECIAL-NAMES. 001000 DECIMAL-POINT IS COMMA. + 001100 *INPUT-OUTPUT SECTION. 001200 001300 *FILE-CONTROL. E-CONTROL. SELECT CADPECA ASSIGN TO UT-S-CADPECA FILE STATUS IS FS-CADPECA. * 001400 001500 CADATU ASSIGN TO UT-S-CADATU FILE STATUS IS FS-CADATU 001600 * 001700 SELECT CADATU 001800 001900 * Command ===> Scroll ===> CSR

Parabéns você está apto para fazer a 3º aula.