



## 5ª AULA

**Introdução ao TSO**

**Comandos Especiais**

## Índice

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### **Teclas de Função (PFs)**

- **PF1** Help - Auxílio
- **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

## Comandos Especiais.

### 1.0 KEYS;

Para trazer a programação feita para as teclas de função, permitindo que você as altere;

Digite **KEYS** na linha comando e tecla <ENTER>.

```

File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT      ALUNONA.FONTES.COBOL(EXER0001) - 01.11      Columns 00001 00072
*****  ***** Top of Data *****
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.
000800      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
001500      FILE STATUS        IS FS-CADPECA.
001600      *
001700      SELECT CADATU      ASSIGN TO UT-S-CADATU
001800      FILE STATUS        IS FS-CADATU.
Command ==> KEYS                      Scroll ==> CSR
F1=Help      F3=Exit      F5=Rfind      F6=Rchange      F12=Cancel

```

Podemos observar abaixo a tela com as teclas de função e suas programações.

```

----- Keylist Utility -----
| File |
|-----|
| Private      ISR Keylist ISRSPEC Change      Row 1 to 10 of 12 |
| Make changes and then select File action bar. |
| Keylist Help Panel Name . . . ISRSPECH |
| Key      Definition      Format      Label |
| F1 . . . HELP      SHORT      Help |
| F2 . . . SPLIT      LONG      Split |
| F3 . . . EXIT      SHORT      Exit |
| F4 . . . |
| F5 . . . RFIND      SHORT      Rfind |
| F6 . . . RCHANGE      SHORT      Rchange |
| F7 . . . UP      LONG      Up |
| F8 . . . DOWN      LONG      Down |
| F9 . . . SWAP      LONG      Swap |
| F10 . . . LEFT      LONG      Left |
| Command ==> |
| F1=Help      F3=Exit      F10=Actions F12=Cancel |
|-----|

```

## 2.0 REFLIST;

Traz uma lista de todas as bibliotecas que você utilizou, você pode selecionar umas delas colocando S ao lado esquerdo do item selecionado onde veremos no exemplo mais abaixo;

Digite na linha de comando P.3.2 e tecla <ENTER>.

```

CUSTOMPAC MASTER APPLICATION MENU
OPTION ==> P.3.2 SCROLL ==> PAGE

USERID - ALUNONA
TIME - 11:48

IS ISMF - Interactive Storage Management Facility
P PDF - ISPF/Program Development Facility
IP IPCS - Interactive Problem Control Facility
OS SUPPOT - OS/390 ISPF System Support Options
OU USER - OS/390 ISPF User Options
SM SMP/E - SMP/E Dialogs
IC ICSF - Integrated Cryptographic Service Facility
SD SDSF - System Display and Search Facility
R RACF - Resource Access Control Facility
HC HCD - Hardware Configuration Definition
BMB BMR BLD - BookManager Build (Create Online Documentation)
BMR BMR READ - BookManager Read (Read Online Documentation)
BMI BMR INDX - BookManager Read (Create Bookshelf Index)
X EXIT - Terminate ISPF using list/log defaults

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

Vamos com o cursor em Reflist e tecla <ENTER>.

```

Menu Re|fList Utilities Help
-----
Data Set Utility

A Allocate new data set
R Rename entire data set
D Delete entire data set
blank Data set information
C Catalog data set
U Uncatalog data set
S Data set information (short)
M Allocate new data set
V VSAM Utilities

ISPF Library:
Project . .
Group . . .
Type . . .

Other Partitioned, Sequential or VSAM Data Set:
Data Set Name . . .
Volume Serial . . . (If not cataloged, required for option "C")

Data Set Password . . (If password protected)

Option ==>
F1=Help F3=Exit F10=Actions F12=Cancel
  
```

Podemos observar que foi aberto uma lista com 6 opções,digite o número da opção escolhida,no exemplo utilizaremos a opção 1 e tecla <ENTER>..

Menu	RefList	Utilities	Help
	1. Reference Data Set List	ity	
	2. Reference Library List		
A	3. Personal Data Set List	C Catalog data set	
R	4. Personal Data Set List Open	U Uncatalog data set	
D	5. Personal Library List	S Data set information (short)	
blank	6. Personal Library List Open	M Allocate new data set	
		V VSAM Utilities	

ISPF Library:

```
Project . .
Group . . .
Type . . . .
```

Other Partitioned, Sequential or VSAM Data Set:

Data Set Name . . .  
Volume Serial . . . (If not cataloged, required for option "C")

Data Set Password . . . (If password protected)

Option ==>

F1=Help      F3=Exit      F10=Actions      F12=Cancel

Podemos observar que foi aberta uma tela que nos trouxe dados de referência do conjunto da lista;

```
File List Function Help
```

---

```
Reference Data Set List
```

Enter a list action to perform or select a data set entry to retrieve.  
Action: N=New A=Save As L=DSL~~I~~S~~T~~

Action	Name	Description	
	REFLIST	Last 30 Data sets referenced	Dynamic list

More:

Select Partitioned or Sequential Data Set

.	'ALUNONA.FONTES.COBOL'	Volume
.		PR39C7
.		
.		
.		
.		
.		
.		
.		
.		

F1=Help F3=Exit F10=Actions F12=Cancel

## 3.0 COMPRESS;

Libera o espaço utilizado pelos arquivo deletados;

Digite na linha de comando P.3.1 e tecla <ENTER>.

```

CUSTOMPAC MASTER APPLICATION MENU
OPTION ==> P.3.1 SCROLL ==> PAGE

USERID - ALUNONA
TIME - 13:11

IS ISMF - Interactive Storage Management Facility
P PDF - ISPF/Program Development Facility
IP IPCS - Interactive Problem Control Facility
OS SUPPORT - OS/390 ISPF System Support Options
OU USER - OS/390 ISPF User Options
SM SMP/E - SMP/E Dialogs
IC ICSF - Integrated Cryptographic Service Facility
SD SDSF - System Display and Search Facility
R RACF - Resource Access Control Facility
HC HCD - Hardware Configuration Definition
BMB BMR BLD - BookManager Build (Create Online Documentation)
BMR BMR READ - BookManager Read (Read Online Documentation)
BMI BMR INDX - BookManager Read (Create Bookshelf Index)
X EXIT - Terminate ISPF using list/log defaults

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

```

Podemos observar a tela abaixo, onde:

Digite seu aluno exemplo : ALUNONX.FONTES.COBOL na linha Data set Name. Na linha de comando digite C, onde podemos visualizar nas opções da tela seu significado compress data set list <ENTER>.

```

Menu RefList Utilities Help
-----
Library Utility 0 Members processed

blank Display member list I Data set information B Browse member
C Compress data set S Short data set information D Delete member
X Print index listing E Edit member R Rename member
L Print entire data set V View member P Print member

Enter "/" to select option
/ Confirm Member Delete

ISPF Library:
Project . . .
Group . . .
Type . . .
Member . . . (If B, D, E, P, R, V, or blank selected)
New name . . (If R selected)

Other Partitioned or Sequential Data Set:
Data Set Name . . 'ALUNONX.FONTES.COBOL'
Volume Serial . . . (If not cataloged)

Data Set Password . . (If password protected)
Option ==> C
F1=Help F3=Exit F10=Actions F12=Cancel

```

Mensagem de sucesso na compressão.

```

Menu  RefList  Utilities  Help
-----
                                Library Utility                                Compress successful
blank Display member list      I Data set information              B Browse member
  C Compress data set          S Short data set information        D Delete member
  X Print index listing         E Edit member                      R Rename member
  L Print entire data set      V View member                          P Print member

                                Enter "/" to select option
                                / Confirm Member Delete

ISPF Library:
Project . . .
Group . . . . .
Type . . . . .
Member . . . (If B, D, E, P, R, V, or blank selected)
New name . . (If R selected)

Other Partitioned or Sequential Data Set:
Data Set Name . . . 'ALUNONA.FONTES.COBOL'
Volume Serial . . . (If not cataloged)

Data Set Password . . (If password protected)
Option ==>
F1=Help      F3=Exit      F10=Actions  F12=Cancel

```