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IBM – File Manager- Base

Entrar no TS48 na opção 161 - File Manager BASE, atualmente ainda está aparecendo como INSYNC.

```
Banco BRADESCO S.A.      System z/OS    02.02.00      Row 19 to 27 of 27
                          Sysid   AL2C
                          Sysplex AL1
                          Node    ALNJE02
                          RSU      RSU1812
                          Hora     07:08
                          User     F357296
                          Prefix   TSO
                          Screen   1
                          SCROLL=> CSR

Opcao ==> 161_

Opcao  Aplicacao  Descricao
111    DB2TOOLS   Ferramentas para DB2
138    SDSF       Spool Display and Search Facility
139    REXXDDS    Menu de REXX do DDS
161    INSYNC     Manipulacao/Dados-Tabelas-Segmentos
162    FREEZE     Monitor de Aplicativos
163    TMASTER   Trace Master - Debug de Programas
164    DUMPMST    Formatador de DUMP
169    CONTCHGM   Contingencia do ChangeMan
999    LOGOFF     Termina esta Sessao TSO/E
```

1. Visualizando um arquivo SEQUENCIAL.

Utilize a opção 1. View

```

Process  Options  Help
-----
File Manager                                Primary Option Menu
Command ==> 1_

0  Settings      Set processing options          User ID . : F357296
1  View          View data                      System ID : AL2C
2  Edit          Edit data                      Appl ID . : FMN
3  Utilities     Perform utility functions       Version . : 14.1.7
4  Tapes        Tape specific functions        Terminal. : 3290A
5  Disk/VSAM    Disk track and VSAM CI functions Screen. . : 1
6  OAM          Work with OAM objects          Date. . . : 2019/10/08
7  Templates    Template and copybook utilities Time. . . : 07:13
8  HFS          Access Hierarchical File System
9  WebSphere MQ List, view and edit MQ data
10 CICS         FM/CICS
11 Remote      Remote System Definition
X  Exit         Terminate File Manager
  
```

Informe o nome do arquivo no campo “Data set/path name” e 3 (nome) no campo Copybook/template”, neste caso a visualização será sem layout.

```

Process  Options  Help
-----
File Manager                                View Entry Panel
Command ==> _

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
  Data set/path name 'AD.TEMP.MYFILE01.SEQ' +
  Member . . . . . (Blank or pattern for member list)
  Volume serial . . (If not cataloged)
  Start position . . +
  Record limit . . . Record sampling _

Copybook or Template:
  Data set name . .
  Member . . . . . (Blank or pattern for member list)

Processing Options:
  Copybook/template  Start position type  Enter "/" to select option
  3 1. Above          - 1. Key                - Edit template _ Type (1,2,S)
    2. Previous        - 2. RBA                - Include only selected records
    3. None            - 3. Record number    - Binary mode, reclen 80
    4. Create dynamic  - 4. Formatted key
  
```

Digite <Enter>.

```

Process  Options  Help
-----
View      AD.TEMP.MYFILE01.SEQ
Command ==> _
Col 1 _ Insert Length 100
-----10-----2-----3-----4-----5-----6-----7-----8-----9-----0
***** **** Top of data ****
000001 111119999primeiro registro de teste 234568765D...*.Pkreservado brancos
000002 222228888segundo registro de teste 577499090I...*.$~.reservado brancos reg 2
000003 333337777terceiro registro de teste 111568234D...*.Pkreservado brancos reg 3
000004 444446666quarto registro de teste 533499545F...*.$~.reservado brancos reg 4
000005 222228888segundo registro de teste 577499090I...*.$~.reservado brancos reg 2
000006 111119999primeiro registro de teste 234568765D...*.Pkreservado brancos
***** **** End of data ****
  
```

Para visualizar em hexadecimal, digite HEX na linha de comando:

```

Process  Options  Help
View      AD.TEMP.MYFILE01.SEQ
Command  ==> hex==
Col 1    Insert Length 100
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----
*****  **** Top of data *****
000001  1111199999primeiro registro de teste 234568765D...Pkreservado brancos
000002  2222288888segundo registro de teste 577499090I...$.reservado brancos reg 2
000003  3333377777terceiro registro de teste 111568234D...Pkreservado brancos reg 3
000004  4444466666quarto registro de teste 533499546F...$.reservado brancos reg 4
000005  2222288888segundo registro de teste 577499090I...$.reservado brancos reg 2
000006  1111199999primeiro registro de teste 234568765D...Pkreservado brancos
*****  **** End of data *****

```

Process	Options	Help
View	AD.TEMP.MYFILE01.SEQ	Top of 6
Command	==>	Scroll PAGE
Col 1	Insert Length 100	Format HEX
*****	**** Top of data ****	
000001	1111199999primeiro registro de teste 2345687650...Pkreservado brancos FFFFFFFF989898949888AA994884A8AA4444FFFFFFFFC33503D998A89A8894898989A444444444444444444444 1111199999799495609579239604503523500005234568765424CDE72952595146029153620000000000000000000000 ----+-----10-----2-----3-----4-----5-----6-----7-----8-----9-----0	
000002	2222288888segundo registro de teste 5774990901...\$.reservado brancos reg 2 FFFFFFFF988A989449888AA994884A8AA4444FFFFFFFFC77505A398A89A8894898989A49884F444444444444444444444 2222288888527454600957923960450352350000577499090957C7B1F952595146029153620957020000000000000000000000 ----+-----10-----2-----3-----4-----5-----6-----7-----8-----9-----0	
000003	3333377777terceiro registro de teste 1115682340...Pkreservado brancos reg 3 FFFFFFFF988889949888AA994884A8AA4444FFFFFFFFC33503D998A89A8894898989A49884F444444444444444444444 3333377777735935960957923960450352350000111568234424CDE72952595146029153620957030000000000000000000000 ----+-----10-----2-----3-----4-----5-----6-----7-----8-----9-----0	
000004	4444466666quarto registro de teste 533499545F...\$.reservado brancos reg 4 FFFFFFFF989899449888AA994884A8AA4444FFFFFFFFC77505A398A89A8894898989A49884F444444444444444444444 444446666641936600957923960450352350000533499545657C7B1F952595146029153620957040000000000000000000000 ----+-----10-----2-----3-----4-----5-----6-----7-----8-----9-----0	

Para desligar o modo hexadecimal, digite HEX OFF:

```

Process  Options  Help
-----  -
View      AD_TEMP.MYFILE01.SEQ
Command ==> hex off
Col 1     Insert Length 100

*****  ****  Top of data  ****
0000001  1111199999primeiro registro de teste  234568765D..*
          FFFFFFFF9989889949888A0994884A08A084444FFFFFFFFC333

```

```

Process  Options  Help
View      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----10-----2-----3-----4-----5-----6-----7-----8
*****    **** Top of data    ****
000001  1111199999primeiro  registro de teste  234568765D...Pkreservado brancos
000002  2222288888segundo  registro de teste  577499090I...$.~.reservado brancos reg 2
000003  3333377777terceiro registro de teste  111568234D...Pkreservado brancos reg 3
000004  4444466666quarto  registro de teste  533499545F...$.~.reservado brancos reg 4
000005  2222288888segundo  registro de teste  577499090I...$.~.reservado brancos reg 2
000006  1111199999primeiro registro de teste  234568765D...Pkreservado brancos
*****    **** End of data    ****

```

Para visualizar o arquivo no formato estruturado com um copybook, retorne ao menu 1.View (PF3) e informe o nome do copybook no campo “Data set name.” E “1” no “Copybook or Template”.

```

Process  Options  Help
-----
File Manager                                View Entry Panel
Command ==> █

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
  Data set/path name 'AD.TEMP.MYFILE01.SEQ' +
  Member . . . . . (Blank or pattern for member list)
  Volume serial . . (If not cataloged)
  Start position . . +
  Record limit . . . Record sampling _

Copybook or Template:
  Data set name . . 'AD.DDS.MYBOOK.COPY(MYBOOK1)'
  Member . . . . . (Blank or pattern for member list)

Processing Options:
  Copybook/template  Start position type  Enter "/" to select option
  1. Above           - 1. Key              - Edit template _ Type (1,2,S)
  2. Previous        - 2. RBA              - Include only selected records
  3. None            - 3. Record number   - Binary mode, reclen 80
  4. Create dynamic  - 4. Formatted key

```

Será exibido o conteúdo do arquivo no formato tabular, com os nomes dos campos no cabeçalho, conforme layout abaixo:

```

Menu  Utilities  Compilers  Help
-----
BROWSE  AD.DDS.MYBOOK.COPY(MYBOOK1) - 01.01      Line 0000000000 Col 001 080
Command ==> █      Scroll ==> CSR

***** Top of Data *****
*-----*
*  TESTE DE BOOK PARA O FILE MANAGER  *
*-----*
*
01  MYBOOK1-REGISTRO.
03  MYBOOK1-CHAVE.
      05  MYBOOK1-CHAVE01      PIC X(05).
      05  MYBOOK1-CHAVE02      PIC 9(05).
03  MYBOOK1-NOME      PIC X(30).
03  MYBOOK1-NUM-DISP      PIC 9(05).
03  MYBOOK1-NUM-DISP-SIN  PIC S9(05).
03  MYBOOK1-NUM-COMP3      PIC S9(05) COMP-3.
03  MYBOOK1-NUM-COMP      PIC S9(05) COMP.
03  FILLER      PIC X(30).

***** Bottom of Data *****

```

Visualização em formato tabular:

Process Options Help							
View AD.TEMP.MYFILE01.SEQ							
Command ==>							
MYBOOK1-CHAVE01	MYBOOK1-CHAVE02	MYBOOK1-NOME	MYBOOK1-NUM-DISP	MYBOOK1-NUM-DISP-SIN	MYBOOK1-NUM-COMP3	Record AT TOP	Top of 6
#3	#4 #5		#6	#7	#8	Format	PAGE
AN 1:5	ZD 6:5 AN 11:30		ZD 41:5	ZD 46:5	PD 51:3		
<--->	<---+>	<---+-----1-----2-----+>	<---+>	<---+>	<---+>		
***** ***** Top of data *****							
=LGTH 11111	99999	primeiro registro de teste	23456	87654	32345		
=LGTH 22222	88888	segundo registro de teste	57749	90909	75775		
=LGTH 33333	77777	terceiro registro de teste	11156	82344	32345		
=LGTH 44444	66666	quartoo registro de teste	53349	95456	75775		
=LGTH 22222	88888	segundo registro de teste	57749	90909	75775		
=LGTH 11111	99999	primeiro registro de teste	23456	87654	32345		
***** ***** End of data *****							

Process Options Help							
View AD.TEMP.MYFILE01.SEQ							
Command ==>							
MYBOOK1-CHAVE01	MYBOOK1-CHAVE02	MYBOOK1-NOME	MYBOOK1-NUM-DISP	MYBOOK1-NUM-DISP-SIN	MYBOOK1-NUM-COMP3	Record AT TOP	Top of 6
#3	#4 #5		#6	#7	#8	Format	PAGE
AN 1:5	ZD 6:5 AN 11:30		ZD 41:5	ZD 46:5	PD 51:3		
<--->	<---+>	<---+-----1-----2-----+>	<---+>	<---+>	<---+>		
***** ***** Top of data *****							
=LGTH 11111	99999	primeiro registro de teste	23456	87654	32345		
=LGTH 22222	88888	segundo registro de teste	57749	90909	75775		
=LGTH 33333	77777	terceiro registro de teste	11156	82344	32345		
=LGTH 44444	66666	quartoo registro de teste	53349	95456	75775		
=LGTH 22222	88888	segundo registro de teste	57749	90909	75775		
=LGTH 11111	99999	primeiro registro de teste	23456	87654	32345		
***** ***** End of data *****							

2. Editando um arquivo SEQUENCIAL.

Utilize a opção 2. Edit

```

Process  Options  Help
-----
File Manager                                Edit Entry Panel
Command ==>

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
  Data set/path name 'AD.TEMP.MYFILE01.SEQ' +
  Member . . . . . (Blank or pattern for member list)
  Volume serial . . . . . (If not cataloged)
  Start position . . . . . +
  Record limit . . . . . Record sampling _
  Inplace edit . . . . . (Prevent inserts and deletes)
Copybook or Template:
  Data set name . . . . .
  Member . . . . . (Blank or pattern for member list)
Processing Options:
Copybook/template  Start position type  Enter "/" to select option
3 1. Above         - 1. Key              - Edit template _ Type (1,2,S)
  2. Previous      - 2. RBA              - Include only selected records
  3. None          - 3. Record number  - Binary mode, reclen 80
  4. Create dynamic 4. Formatted key  - Create audit trail
  
```

```

Process  Options  Help
-----
Edit                                AD.TEMP.MYFILE01.SEQ
Command ==>
  Col 1 Insert Length 100
  -----10-----2-----3-----4-----5-----6-----7-----8-----
***** **** Top of data ****
000001 111199999primeiro registro de teste 234568765D...Pkreservado brancos
000002 222288888segundo registro de teste 577499090I...$.$.reservado brancos reg 2
000003 333377777terceiro registro de teste 111568234D...Pkreservado brancos reg 3
000004 444466666quartoo registro de teste 533499545F...$.$.reservado brancos reg 4
000005 222288888segundo registro de teste 577499090I...$.$.reservado brancos reg 2
000006 111199999primeiro registro de teste 234568765D...Pkreservado brancos
***** **** End of data ****
  
```

Utilize o comando de linha “RR” para repetir um bloco de linhas:

```

Process  Options  Help
-----
Edit                                AD.TEMP.MYFILE01
Command ==>
  Col 1 Insert Length
  -----10-----2-----
***** **** Top of data ****
000001 111199999primeiro registr
000002 222288888segundo registr
rr0003 333377777terceiro registr
000004 444466666quartoo registr
rr0005 222288888segundo registr
000006 111199999primeiro registr
***** **** End of data ****
  
```

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----+-----10-----2-----3-----4-----5-----6-----7-----8-----
*****  **** Top of data  ****
000001  111199999primeiro registro de teste  234568765D...Pkreservado brancos
000002  222288888segundo registro de teste  577499090I...$.reservado brancos reg 2
000003  333337777terceiro registro de teste  111568234D...Pkreservado brancos reg 3
000004  444466666quartoo registro de teste  533499545F...$.reservado brancos reg 4
000005  222288888segundo registro de teste  577499090I...$.reservado brancos reg 2
000006  333337777terceiro registro de teste  111568234D...Pkreservado brancos reg 3
000007  444466666quartoo registro de teste  533499545F...$.reservado brancos reg 4
000008  222288888segundo registro de teste  577499090I...$.reservado brancos reg 2
000009  111199999primeiro registro de teste  234568765D...Pkreservado brancos
*****  **** End of data  ****

```

Utilize o comando “CC” e “A” para copia um bloco de linhas.

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----+-----10-----2-----3-----4-----
*****  **** Top of data  ****
000001  111199999primeiro registro de teste  23
000002  222288888segundo registro de teste  57
cc0003  333337777terceiro registro de teste  11
000004  444466666quartoo registro de teste  53
cc0005  222288888segundo registro de teste  57
000006  333337777terceiro registro de teste  11
000007  444466666quartoo registro de teste  53
000008  222288888segundo registro de teste  57
a00009  111199999primeiro registro de teste  23
*****  **** End of data  ****

```

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----+-----10-----2-----3-----4-----5-----6-----7-----8-----
*****  **** Top of data  ****
000001  111199999primeiro registro de teste  234568765D...Pkreservado brancos
000002  222288888segundo registro de teste  577499090I...$.reservado brancos reg 2
000003  333337777terceiro registro de teste  111568234D...Pkreservado brancos reg 3
000004  444466666quartoo registro de teste  533499545F...$.reservado brancos reg 4
000005  222288888segundo registro de teste  577499090I...$.reservado brancos reg 2
000006  333337777terceiro registro de teste  111568234D...Pkreservado brancos reg 3
000007  444466666quartoo registro de teste  533499545F...$.reservado brancos reg 4
000008  222288888segundo registro de teste  577499090I...$.reservado brancos reg 2
000009  111199999primeiro registro de teste  234568765D...Pkreservado brancos
000010  333337777terceiro registro de teste  111568234D...Pkreservado brancos reg 3
000011  444466666quartoo registro de teste  533499545F...$.reservado brancos reg 4
000012  222288888segundo registro de teste  577499090I...$.reservado brancos reg 2
*****  **** End of data  ****

```


Utilize “D” para excluir uma linha ou “DD” para excluir um bloco de linhas.

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----+-----10-----+-----2-----+-----3-----+-----
*****  **** Top of data  ****
000001 1111199999primeiro registro de teste
000002 2222288888segundo registro de teste
000003 3333377777terceiro registro de teste
000004 4444466666quartoo registro de teste
000005 2222288888segundo registro de teste
000006 3333377777terceiro registro de teste
000007 4444466666quartoo registro de teste
DD0008 2222288888segundo registro de teste
000009 1111199999primeiro registro de teste
DD0010 3333377777terceiro registro de teste
000011 4444466666quartoo registro de teste
000012 2222288888segundo registro de teste
*****  **** End of data  ****

```

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----+-----10-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----
*****  **** Top of data  ****
000001 1111199999primeiro registro de teste 234568765D...*.Pkreservad
000002 2222288888segundo registro de teste 577499090I...$.~.reservad
000003 4444466666quartoo registro de teste 533499545F...$.~.reservad
000004 2222288888segundo registro de teste 577499090I...$.~.reservad
000005 3333377777terceiro registro de teste 111568234D...*.Pkreservad
000006 4444466666quartoo registro de teste 533499545F...$.~.reservad
000007 4444466666quartoo registro de teste 533499545F...$.~.reservad
000008 2222288888segundo registro de teste 577499090I...$.~.reservad
*****  **** End of data  ****

```

Utilize “I” para incluir uma nova linha.

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----+-----10-----+-----2-----+-----3-----+-----
*****  **** Top of data  ****
000001 1111199999primeiro registro de te
000002 2222288888segundo registro de te
I00003 4444466666quartoo registro de te
000004 2222288888segundo registro de te
000005 3333377777terceiro registro de te
000006 4444466666quartoo registro de te
000007 4444466666quartoo registro de te
000008 2222288888segundo registro de te
*****  **** End of data  ****

```

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----+-----10-----+-----2-----+-----3-----+-----4-----+-----5-----+
*****  **** Top of data  ****
000001  1111199999primeiro registro de teste      234568765D...P
000002  2222288888segundo  registro de teste      577499090I...$~
000003  4444466666quartoo  registro de teste      533499545F...$~
000004  nova linha          teste de inclusao      11111_
000005  2222288888segundo  registro de teste      577499090I...$~
000006  3333377777terceiro registro de teste      111568234D...P
000007  4444466666quartoo  registro de teste      533499545F...$~
000008  4444466666quartoo  registro de teste      533499545F...$~
000009  2222288888segundo  registro de teste      577499090I...$~
*****  **** End of data  ****

```

Para salvar as alterações, digite “SAVE”.

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==> SAVE
Col 1      Insert Length 100
-----+-----10-----+-----2-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+
*****  **** Top of data  ****
000001  1111199999primeiro registro de teste      234568765D...Pkreservado brancos
000002  2222288888segundo  registro de teste      577499090I...$.reservado brancos reg 2
000003  4444466666quartoo  registro de teste      533499545F...$.reservado brancos reg 4
000004  nova linha          teste de inclusao      11111
000005  2222288888segundo  registro de teste      577499090I...$.reservado brancos reg 2
000006  3333377777terceiro registro de teste      111568234D...Pkreservado brancos reg 3
000007  4444466666quartoo  registro de teste      533499545F...$.reservado brancos reg 4
000008  4444466666quartoo  registro de teste      533499545F...$.reservado brancos reg 4
000009  2222288888segundo  registro de teste      577499090I...$.reservado brancos reg 2
*****  **** End of data  ****

```

```

Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==>
Col 1      Insert Length 100
-----+-----10-----+-----2-----+-----3-----+-----4-----+
*****  **** Top of data  ****
000001  1111199999primeiro registro de teste      23456
000002  2222288888segundo  registro de teste      57749
000003  4444466666quartoo  registro de teste      53349
000004  nova linha          teste de inclusao      11111
000005  2222288888segundo  registro de teste      57749
000006  3333377777terceiro registro de teste      11156
000007  4444466666quartoo  registro de teste      53349
000008  4444466666quartoo  registro de teste      53349
000009  2222288888segundo  registro de teste      57749
*****  **** End of data  ****

```

Para descartar as alterações, digite “CANCEL”.

```
Process  Options  Help
Edit      AD.TEMP.MYFILE01.SEQ
Command ==> cancel
Col 1      Insert Length 100
-----+-----10-----2-----3-----4-----+-----
***** **** Top of data ****
000001 1111199999primeiro registro de teste 23456876
000002 2222288888segundo registro de teste 57749909
000003 4444466666quartoo registro de teste 53349954
000004 nova linha teste de inclusao 11111
000005 2222288888segundo registro de teste 57749909
000006 4444466666quartoo registro de teste 53349954
000007 nova linha teste de inclusao 11111
000008 2222288888segundo registro de teste 57749909
000009 3333377777terceiro registro de teste 11156823
000010 4444466666quartoo registro de teste 53349954
000011 4444466666quartoo registro de teste 53349954
000012 2222288888segundo registro de teste 57749909
***** **** End of data ****
```

Pedirá a confirmação na janela:

```
Process  Options  Help
- Confirm Cancel
E Command ==>
C
Data has been changed.

* Instructions:
0
0 Press ENTER key to confirm cancel request.
0 (All changes will be discarded)
0
0 Enter END or EXIT command to return to edit or view
0 session.
0
0
```

Confirme com <Enter>.

3. Visualizando um arquivo VSAM.

Utilize a opção 2. Edit

```

Process  Options  Help
File Manager                                Primary Option Menu
Command ==> 1_

0  Settings      Set processing options      User ID . : F357296
1  View          View data          System ID : AL2C
2  Edit          Edit data          Appl ID  : FMN
3  Utilities     Perform utility functions  Version . : 14.1.7
4  Tapes        Tape specific functions  Terminal. : 3290A
5  Disk/VSAM    Disk track and VSAM CI functions  Screen. . : 1
6  OAM          Work with OAM objects      Date. . . : 2019/10/08
7  Templates    Template and copybook utilities  Time. . . : 09:07
8  HFS          Access Hierarchical File System
9  WebSphere MQ List, view and edit MQ data
10 CICS         FM/CICS
11 Remote      Remote System Definition
X  Exit         Terminate File Manager
  
```

Informe o nome do arquivo VSAM no campo “Data set/path name” e 3 (nome) no campo Copybook/template”, neste caso a visualização será sem lay-out.

```

Process  Options  Help
File Manager                                View Entry Panel
Command ==>

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
Data set/path name 'AD.TEMP.MYVSAM01' +
Member . . . . . (Blank or pattern for member list)
Volume serial . . (If not cataloged)
Start position . . +
Record limit . . . Record sampling _

Copybook or Template:
Data set name . .
Member . . . . . (Blank or pattern for member list)

Processing Options:
Copybook/template  Start position type  Enter "/" to select option
3  1. Above        1. Key                _ Edit template _ Type (1,2,S)
  2. Previous      2. RBA                _ Include only selected records
  3. None          3. Record number     _ Binary mode, reclen 80
  4. Create dynamic 4. Formatted key
  
```

Digite <Enter>.

```

Process  Options  Help
View      AD.TEMP.MYVSAM01
Command ==>

Type KSDS  RBA
Col 1      Insert Length 88

Key  <=====>-----20-----3-----4-----5-----6-----7-----8-----
***** **** Top of data ****
000001 0000100002primeiro registro de teste 11111
000002 1111199999segundo registro de teste 2345687650 .*.Pkreservado brancos
000003 2222200001terceiro registro de teste 5774990901 .*.$~.reservado brancos reg 2
000004 2222200002quarto registro de teste 5774990901 .*.$~.reservado brancos reg 2
000005 2222200003quinto registro de teste 5774990901 .*.$~.reservado brancos reg 2
000006 3333300001sexto registro de teste 1115682340 .*.Pkreservado brancos reg 3
000007 4444400010setimo registro de teste 533499545F .*.$~.reservado brancos reg 4
000008 4444400020oitavo registro de teste 533499545F .*.$~.reservado brancos reg 4
000009 4444400030nono registro de teste 533499545F .*.$~.reservado brancos reg 4
***** **** End of data ****
  
```

Para visualizar em hexadecimal, digite HEX na linha de comando:

Visualização em formato tabular:

```

Process  Options  Help
View      AD.TEMP.MYVSAM01
Command ==>
Key
MYVSAM1-CHAVE01 MYVSAM1-CHAVE02 MYVSAM1-NOME MYVSAM1-NUM-DISP MYVSAM1-
#3 #4 #5 #6
AN 1:5 ZD 6:5 AN 11:30 ZD 41:5
<---> <---+> <---+----1----+----2----+----> <---+>
***** ***** Top of data *****
=LGTH 00001 2 primeiro registro de teste 11111
=LGTH 11111 99999 segundo registro de teste 23456
=LGTH 22222 1 terceiro registro de teste 57749
=LGTH 22222 2 quarto registro de teste 57749
=LGTH 22222 3 quinto registro de teste 57749
=LGTH 33333 1 sexto registro de teste 11156
=LGTH 44444 10 setimo registro de teste 53349
=LGTH 44444 20 oitavo registro de teste 53349
=LGTH 44444 30 nono registro de teste 53349
***** ***** End of data *****

```

4. Editando um arquivo VSAM.

Utilize a opção 2. Edit

```

Process  Options  Help
-----
File Manager                                Edit Entry Panel
Command ==>

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
  Data set/path name 'AD.TEMP.MYVSAM01' +
  Member . . . . . (Blank or pattern for member list)
  Volume serial . . (If not cataloged)
  Start position . . +
  Record limit . . . Record sampling _
  Inplace edit . . . (Prevent inserts and deletes)
Copybook or Template:
  Data set name . .
  Member . . . . . (Blank or pattern for member list)
Processing Options:
Copybook/template  Start position type  Enter "/" to select option
 3  1. Above          -  1. Key                _ Edit template _ Type (1,2,S)
    2. Previous      -  2. RBA                _ Include only selected records
    3. None          -  3. Record number    _ Binary mode, reclen 80
    4. Create dynamic 4. Formatted key   _ Create audit trail
  
```

```

Process  Options  Help
-----
Edit                                AD.TEMP.MYVSAM01
Command ==>

Key                                     Type KSDS
<====+====>-----+-----20-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----
***** **** Top of data *****
000001 0000100002primeiro registro de teste 11111
000002 1111199999segundo registro de teste 234568765D...$.Pkreservado brancos
000003 2222200001terceiro registro de teste 577499090I...$.reservado brancos reg 2
000004 2222200002quarto registro de teste 577499090I...$.reservado brancos reg 2
000005 2222200003quinto registro de teste 577499090I...$.reservado brancos reg 2
000006 3333300001sexto registro de teste 111568234D...$.Pkreservado brancos reg 3
000007 4444400010setimo registro de teste 533499545F...$.reservado brancos reg 4
000008 4444400020oitavo registro de teste 533499545F...$.reservado brancos reg 4
000009 4444400030nono registro de teste 533499545F...$.reservado brancos reg 4
***** **** End of data *****
  
```

Utilize o comando de linha "RR" para repetir um bloco de linhas:

```

Process  Options  Help
-----
Edit                                AD.TEMP.MYVSAM01
Command ==>

Key                                     Type KSDS
<====+====>-----+-----20-----+-----3-----+-----4-----
***** **** Top of data *****
000001 0000100002primeiro registro de teste 111
000002 1111199999segundo registro de teste 234
000003 2222200001terceiro registro de teste 577
rr0004 2222200002quarto registro de teste 577
000005 2222200003quinto registro de teste 577
rr0006 3333300001sexto registro de teste 111
000007 4444400010setimo registro de teste 533
000008 4444400020oitavo registro de teste 533
000009 4444400030nono registro de teste 533
***** **** End of data *****
  
```

```

Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>

Key
<====+=====>-----+-----20-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----
*****      **** Top of data      ****
000001 0000100002primeiro registro de teste 11111
000002 1111199999segundo registro de teste 2345687650...Pkreservado brancos
000003 2222200001terceiro registro de teste 577499090I...$.$.reservado brancos reg 2
000004 2222200002quarto registro de teste 577499090I...$.$.reservado brancos reg 2
000005 2222200003quinto registro de teste 577499090I...$.$.reservado brancos reg 2
000006 3333300001sexto registro de teste 1115682340...Pkreservado brancos reg 3
000007 2222200002quarto registro de teste 577499090I...$.$.reservado brancos reg 2
000008 2222200003quinto registro de teste 577499090I...$.$.reservado brancos reg 2
000009 3333300001sexto registro de teste 1115682340...Pkreservado brancos reg 3
000010 4444400010setimo registro de teste 533499545F...$.$.reservado brancos reg 4
000011 4444400020oitavo registro de teste 533499545F...$.$.reservado brancos reg 4
000012 4444400030nono registro de teste 533499545F...$.$.reservado brancos reg 4
*****      **** End of data      ****

```

Os campos da chave devem ser alterados para evitar duplicidade no VSAM.

```

Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>

Key
<====+=====>-----+-----20-----+-----3-----+-----4-----+-----
*****      **** Top of data      ****
000001 0000100002primeiro registro de teste 11111
000002 1111199999segundo registro de teste 2345687650...Pkreservado brancos
000003 2222200001terceiro registro de teste 577499090I...$.$.reservado brancos reg 2
000004 2222200002quarto registro de teste 577499090I...$.$.reservado brancos reg 2
000005 2222200003quinto registro de teste 577499090I...$.$.reservado brancos reg 2
000006 3333300001sexto registro de teste 1115682340...Pkreservado brancos reg 3
000007 3333300002quarto registro de teste 577499090I...$.$.reservado brancos reg 2
000008 3333300003quinto registro de teste 577499090I...$.$.reservado brancos reg 2
000009 3333300004sexto registro de teste 1115682340...Pkreservado brancos reg 3
000010 4444400010setimo registro de teste 533499545F...$.$.reservado brancos reg 4
000011 4444400020oitavo registro de teste 533499545F...$.$.reservado brancos reg 4
000012 4444400030nono registro de teste 533499545F...$.$.reservado brancos reg 4
*****      **** End of data      ****

```

Utilize o comando “CC” e “A” para copia um bloco de linhas.

```

Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>

Key
<====+=====>-----+-----20-----+-----3-----+-----4-----
*****      **** Top of data      ****
000001 0000100002primeiro registro de teste 111
cc0002 1111199999segundo registro de teste 234
000003 2222200001terceiro registro de teste 577
cc0004 2222200002quarto registro de teste 577
000005 2222200003quinto registro de teste 577
000006 3333300001sexto registro de teste 111
000007 3333300002quarto registro de teste 577
000008 3333300003quinto registro de teste 577
000009 3333300004sexto registro de teste 111
000010 4444400010setimo registro de teste 533
000011 4444400020oitavo registro de teste 533
a00012 4444400030nono registro de teste 533
*****      **** End of data      ****

```



```

Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>

Key  <==+====>----+----20----+----3----+----4----+----5
***** **** Top of data ****
000001 0000100002primeiro registro de teste 11111
000002 1111199999segundo registro de teste 234568765D
000003 2222200001terceiro registro de teste 577499090I
000004 2222200002quarto registro de teste 577499090I
000005 2222200003quinto registro de teste 577499090I
000006 3333300001sexto registro de teste 111568234D
000007 3333300002quarto registro de teste 577499090I
000008 3333300003quinto registro de teste 577499090I
000009 3333300004sexto registro de teste 111568234D
000010 4444400010setimo registro de teste 533499545F
000011 4444400020oitavo registro de teste 533499545F
000012 4444400030nono registro de teste 533499545F
000013 1111199999segundo registro de teste 234568765D
000014 2222200001terceiro registro de teste 577499090I
000015 2222200002quarto registro de teste 577499090I
***** **** End of data ****

```

Utilize “D” para excluir uma linha ou “DD” para excluir um bloco de linhas.

```

Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>

Key  <==+====>----+----20----+----3----+----4----+----5----+--
***** **** Top of data ****
000001 0000100002primeiro registro de teste 11111
000002 1111199999segundo registro de teste 234568765D...Pk
000003 2222200001terceiro registro de teste 577499090I...$.~
000004 2222200002quarto registro de teste 577499090I...$.~
000005 2222200003quinto registro de teste 577499090I...$.~
000006 3333300001sexto registro de teste 111568234D...Pk
000007 3333300002quarto registro de teste 577499090I...$.~
000008 3333300003quinto registro de teste 577499090I...$.~
000009 3333300004sexto registro de teste 111568234D...Pk
000010 4444400010setimo registro de teste 533499545F...$.~
dd0011 4444400020oitavo registro de teste 533499545F...$.~
000012 4444400030nono registro de teste 533499545F...$.~
dd0013 4444499999segundo registro de teste 234568765D...Pk
000014 5555500001terceiro registro de teste 577499090I...$.~
000015 6666600002quarto registro de teste 577499090I...$.~
***** **** End of data ****

```

```

Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>

Key
<====+====>-----+-----20-----+-----3-----+-----4-----+-----5-----+-----
*****  **** Top of data  ****
000001 0000100002primeiro registro de teste      11111
000002 1111199999segundo registro de teste      234568765D...*.Pk
000003 2222200001terceiro registro de teste      577499090I...*.$~.
000004 2222200002quarto registro de teste      577499090I...*.$~.
000005 3333300001sexto registro de teste      111568234D...*.Pk
000006 3333300002quarto registro de teste      577499090I...*.$~.
000007 3333300003quinto registro de teste      577499090I...*.$~.
000008 3333300004sexto registro de teste      111568234D...*.Pk
000009 4444400010setimo registro de teste      533499545F...*.$~.
000010 5555500001terceiro registro de teste      577499090I...*.$~.
000011 6666600002quarto registro de teste      577499090I...*.$~.
*****  **** End of data  ****

```

Utilize "I" para incluir uma nova linha.

```

Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>

Key
<====+====>-----+-----20-----+-----3-----+-----
*****  **** Top of data  ****
000001 0000100002primeiro registro de teste
000002 1111199999segundo registro de teste
I00003 2222200001terceiro registro de teste
000004 2222200002quarto registro de teste
000005 3333300001sexto registro de teste
000006 3333300002quarto registro de teste
000007 3333300003quinto registro de teste
000008 3333300004sexto registro de teste
000009 4444400010setimo registro de teste
000010 5555500001terceiro registro de teste
000011 6666600002quarto registro de teste
*****  **** End of data  ****

```

```

Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>

Key
<====+====>-----+-----20-----+-----3-----+-----4-----+-----5-----
*****  **** Top of data  ****
000001 0000100002primeiro registro de teste      11111
000002 1111199999segundo registro de teste      234568765D
000003 2222200001terceiro registro de teste      577499090I
000004 2222200002incluido_
000005 2222200004quarto registro de teste      577499090I
000006 3333300001sexto registro de teste      111568234D
000007 3333300002quarto registro de teste      577499090I
000008 3333300003quinto registro de teste      577499090I
000009 3333300004sexto registro de teste      111568234D
000010 4444400010setimo registro de teste      533499545F
000011 5555500001terceiro registro de teste      577499090I
000012 6666600002quarto registro de teste      577499090I
*****  **** End of data  ****

```

Para salvar as alterações, digite “SAVE”.

```
Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==>
Key
<====>-----20-----3-----4-----5-----6-----7-----8-----
***** **** Top of data ****
000001 0000100002primeiro registro de teste 11111
000002 1111199999segundo registro de teste 234568765D..*.Pkreservado brancos
000003 2222200001terceiro registro de teste 577499090I..*.$~.reservado brancos reg 2
000004 2222200002incluido
000005 2222200004quarto registro de teste 577499090I..*.$~.reservado brancos reg 2
000006 3333300001sexto registro de teste 111568234D..*.Pkreservado brancos reg 3
000007 3333300002quarto registro de teste 577499090I..*.$~.reservado brancos reg 2
000008 3333300003quinto registro de teste 577499090I..*.$~.reservado brancos reg 2
000009 3333300004sexto registro de teste 111568234D..*.Pkreservado brancos reg 3
000010 4444400010setimo registro de teste 533499545F..*.$~.reservado brancos reg 4
000011 5555500001terceiro registro de teste 577499090I..*.$~.reservado brancos reg 2
000012 6666600002quarto registro de teste 577499090I..*.$~.reservado brancos reg 2
***** **** End of data ****
```

Para descartar as alterações, digite “CANCEL”.

```
Process  Options  Help
Edit      AD.TEMP.MYVSAM01
Command ==> CANCEL
Key
<====>-----20-----3-----4-----
***** **** Top of data ****
000001 0000100002primeiro registro de teste 11111
000002 1111199999segundo registro de teste 234568765
000003 2222200001terceiro registro de teste 577499090
000004 2222200002incluido
000005 2222200004quarto registro de teste 577499090
000006 3333300001sexto registro de teste 111568234
000007 3333300002quarto registro de teste 577499090
000008 3333300003quinto registro de teste 577499090
000009 3333300004sexto registro de teste 111568234
000010 4444400010setimo registro de teste 533499545
000011 5555500001terceiro registro de teste 577499090
000012 6666600002quarto registro de teste 577499090
***** **** End of data ****
```

Pedirá a confirmação na janela:

```
Process  Options  Help
-----  -
E      Command ==> _____
C
K      Data has been changed.
*      Instructions:
0      Press ENTER key to confirm cancel request.
0      (All changes will be discarded)
0
0      Enter END or EXIT command to return to edit or view
0      session.
0
0
```

Confirme com <Enter>.

5. Visualizando um copybook no formato “Deslocamento” / “Tamanho”

Entre na opção 3.Utilities

```
Process  Options  Help
-----
File Manager                                Primary Option Menu
Command ==> 3_

0 Settings      Set processing options      User ID . : F357296
1 View          View data                   System ID : AL2C
2 Edit          Edit data                   Appl ID  : FMN
3 Utilities      Perform utility functions    Version . : 14.1.7
4 Tapes         Tape specific functions     Terminal. : 3290A
5 Disk/VSAM     Disk track and VSAM CI functions
6 OAM           Work with OAM objects       Screen.  : 1
7 Templates     Template and copybook utilities
8 HFS           Access Hierarchical File System
9 WebSphere MQ  List, view and edit MQ data  Date.   : 2019/10/08
10 CICS         FM/CICS                     Time.   : 09:41
11 Remote       Remote System Definition
X Exit          Terminate File Manager
```

Entre na opção 13. Copybook

```
Process  Options  Help
-----
File Manager                                Utility Functions
Command ==> 13_

0 DBCS          Set DBCS data format for print
1 Create        Create data
2 Print         Print data
3 Copy          Copy data
4 Dslist        Catalog services
5 VTOC          Work with VTOC
6 Find/Change   Search for and change data
7 AFP           Browse AFP data
8 Storage       Browse user storage
9 Printdsn      Browse File Manager print data set
10 Loadlib     Load module utility functions
11 Compare      Compare data
12 Audit trail  Print audit trail report
13 Copybook     View and Print
14 WebSphere MQ List WebSphere MQ managers and queues
```

Informe o “Data set name” onde copybook se encontra e o “Member” e “1” em “View/Print”.

```

Process  Options  Help
File Manager          Copybook View and Print
Command ==>

Copybook or Template:
  Data set name . . . . . 'AD.DDS.MYBOOK.COPY'
  Member . . . . . MYBOOK1 (Blank or pattern for member list)

Processing Options:
View/Print Option Enter "/" to select option
1 1. View          _ Batch Execution          _ Show array elements
2. Print           _ Advanced member selection _ Show start/end as hex offset
                  _ Skip member name list   _ Show length in hex
                  _ Show template criteria

```

```

Process  Options  Help
File Manager          AD.DDS.MYBOOK.COPY(MYBOOK1)          Line 1 of 12
Command ==>          Scroll PAGE

1 Print Layout

Ref Field Name
**** Top of data ****
1 1 MYBOOK1-REGISTRO          AN          1          87          87
2 2 MYBOOK1-CHAVE            AN          1          10          10
3 3 MYBOOK1-CHAVE01          X(05)       AN          1           5           5
4 3 MYBOOK1-CHAVE02          9(05)       ZD          6          10           5
5 2 MYBOOK1-NOME             X(30)       AN          11          40          30
6 2 MYBOOK1-NUM-DISP          9(05)       ZD          41          45           5
7 2 MYBOOK1-NUM-DISP-SIN      S9(05)       ZD          46          50           5
8 2 MYBOOK1-NUM-COMP3         S9(05)       PD          51          53           3
9 2 MYBOOK1-NUM-COMP          S9(05)       BI          54          57           4
10 2 FILLER                    X(30)       AN          58          87          30
**** End of data ****

```

```

Process  Options  Help
File Manager          Line 1 of 12
Command ==>          Scroll PAGE

1 Print Layout

Ref Field Name
**** Top of data ****
1 1 MYBOOK1-REGISTRO          AN          1          87          87
2 2 MYBOOK1-CHAVE            AN          1          10          10
3 3 MYBOOK1-CHAVE01          X(05)       AN          1           5           5
4 3 MYBOOK1-CHAVE02          9(05)       ZD          6          10           5
5 2 MYBOOK1-NOME             X(30)       AN          11          40          30
6 2 MYBOOK1-NUM-DISP          9(05)       ZD          41          45           5
7 2 MYBOOK1-NUM-DISP-SIN      S9(05)       ZD          46          50           5
8 2 MYBOOK1-NUM-COMP3         S9(05)       PD          51          53           3
9 2 MYBOOK1-NUM-COMP          S9(05)       BI          54          57           4
10 2 FILLER                    X(30)       AN          58          87          30
**** End of data ****

```

6. Alterando o modo de Visualização / Edição

Na tela de View/Edit, no canto superior direito existe o campo “Format” que no exemplo abaixo está no formato “CHAR”.

```

Process  Options  Help
View          AD.TEMP.MYFILE02.SEQ                               Rec 1 of 5
Command ==>                                                    Format PAGE
Col 1-----10-----2-----3-----4-----5-----6-----7-----8-----9-----10-----Record 1
                                Insert Length 100
000001 1111199999primeiro registro de teste 2345687650...Pkreservado brancos
000002 2222288888xxxxxxx registro de teste 5774990901...$.reservado brancos reg 2
000003 3333377777terceiro yyyyyyyy de teste 144682340...$.Pkreservado brancos reg 3
000004 4444466666quarto registro de teste 533492323F...$.reservado brancos reg 4
000005 1111199999wwwwwwro registro de teste 2345687650...$.Pkreservado brancos
***** End of data *****

```

```

Rec 1 of 5
Scroll PAGE
Format CHAR

```

Para passar para o modo HEXA, basta alterar para “HEX”

Process	Options	Help
View AD.TEMP.MYFILE02.SEQ		
Command ==>		
Col 1	Insert Length 100	Record 1
Rec 1 of 5 Scroll PAGE Format HEX		
000001	1111199999primeiro registro de teste 2345687650...*.Pkreservado brancos FFFFFFFFF99898994988AA994884A8AA84444FFFFFFFFC33503D998A9A8894898989A44444444444444444444 1111199999799459960957923960450352350000023456876542CDE729525951460291536209000000000000000000 ---+---10---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---0	
000002	2222288888xxxxxxx registro de teste 5774990901...*.\$~.reservado brancos reg 2 FFFFFFFFF998989944988AA994884A8AA84444FFFFFFFFC77505A398A9A8894898989A49884F44444444444444444444 222228888877777700957923960450352350000077499090957C7B1F95259514602915362095702000000000000000000 ---+---10---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---0	
000003	3333377777terceiro yyyyyyyy de teste 1444682340...*.Pkreservado brancos reg 3 FFFFFFFFF99898994A988AA994884A8AA84444FFFFFFFFC33503D998A9A8894898989A49884F44444444444444444444 33333777773593599608888888045035235000014446823442CDE7295259514602915362095703000000000000000000 ---+---10---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---0	
000004	4444466666quarto registro de teste 533492323F...*.\$~.reservado brancos reg 4 FFFFFFFFF998989944988AA994884A8AA84444FFFFFFFFC77505A398A9A8894898989A49884F44444444444444444444 4444466666419366009579239604503523500000533492323657C7B1F95259514602915362095704000000000000000000 ---+---10---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---0	
000005	1111199999wwwmro registro de teste 2345687650...*.Pkreservado brancos	

```

Rec 1 of 5
  Scroll PAGE
  Format  HEX

```

```

Process  Options  Help
-----
View          AD.TEMP.MYFILE02.SEQ
Command ==>
Col 1 Insert Length 100

000001 1111199999primeiro registro de teste      234568765D...*.Pk
FFFFFFFFF9989889949888AA994884A8AA84444FFFFFFFFFC33503D99
1111199999799459960957923960450352350000234568765424CDE729
-----+-----10-----+-----2-----+-----3-----+-----4-----+-----5-----+-----

```

Para visualizar no modo Hexa “puro”, basta alterar para “LHEX”

```
Rec 1 of 5
Scroll PAGE
Format LHEX
```

```
Process Options Help
View AD.TEMP.MYFILE02.SEQ
Command ==>
Col 1 Insert Length 100
- - - - + - - - - 1 0 - - - - + - - - - 2 - - - - + - - - -
000001 F1F1F1F1F1F9F9F9F9F997998994858999964099858789A2A3999640
000002 F2F2F2F2F2F8F8F8F8F8A7A7A7A7A7A7A7404099858789A2A3999640
000003 F3F3F3F3F3F7F7F7F7F7A38599838589999640A8A8A8A8A8A8A840
000004 F4F4F4F4F4F6F6F6F6F698A48199A39696404099858789A2A3999640
000005 F1F1F1F1F1F9F9F9F9F9A6A6A6A6A6A699964099858789A2A3999640
***** ***** End of data *****
```

Também é possível alterar do modo de edição de vários registros para o formato individual, posicione o curso no registro que deseja e tecle <PF2>.

```
Process Options Help
View AD.TEMP.MYFILE02.SEQ
Command ==>
Col 1 Insert Length 100
- - - - + - - - - 10 - - - - + - - - - 2 - - - - + - - - - 3 - - - - + - - - - 4 - - - - + - - - - 5 -
***** ***** Top of data *****
000001 1111199999primeiro registro de teste 234568765D.
000002 2222288888xxxxxxx registro de teste 577499090I.
000003 3333377777terceiro yyyyyyyy de teste 144468234D.
000004 4444466666quartoo registro de teste 533492323F.
000005 1111199999wwwwwwro registro de teste 234568765D.
***** ***** End of data *****
```

<PF2>

```
Process Options Help
View AD.TEMP.MYFILE02.SEQ + Rec 3 of 5
Command ==> Scroll PAGE
Zoom Format CHAR
Col 1
Record Length Byte - - - - + - - - - 10 - - - - + - - - - 2 - - - - + - - - - 3 - - - - + - - - - 4 - - - - + - - - - 5 - - - - + - - - - 6
3 100 1 3333377777terceiro yyyyyyyy de teste 144468234D..*.Pkres
61 ervado brancos reg 3
```


No modo HEX com <PF2>.

```

Process  Options  Help
-----
View      AD.TEMP.MYFILE02.SEQ
Command ==>
Col 1      Insert Length 100

000001 1111199999primeiro registro de teste 234568765D...*.Pkresen
FFFFFFFFF9989889949888AA994884A8AA84444FFFFFFFFFC33503D998A89
1111199999799459960957923960450352350000234568765424CDE7295259
----+----10----+----2----+----3----+----4----+----5----+----6--

000002 2222288888xxxxxxx registro de teste 577499090I...*.$~.resen
FFFFFFFFFAAAAAAA449888AA994884A8AA84444FFFFFFFFFC77505A398A89
222228888877777700957923960450352350000577499090957C7B1F95259
----+----10----+----2----+----3----+----4----+----5----+----6--

```

Passa para o modo “individual”.

[illegible]

Quando estamos trabalhando no modo com um copybook associado, também podemos alterar o modo de exibição.

p.ex.: de TABL (tabular) para SNGL (single, ou seja 1 registro por tela) ou utilize a <PF2> que terá o mesmo resultado.

```
Rec 1 of 5
_ Scroll PAGE
_ Format TABL
```

```
Process  Options  Help
View      AD.TEMP.MYFILE02.SEQ
Command ==>

MYBOOK1-CHAVE01 MYBOOK1-CHAVE02 MYBOOK1-NOME
#3              #4 #5
AN 1:5          ZD 6:5 AN 11:30
<--->          <---+> <---+-----1-----+-----2-----+----->

***** **** Top of data ****
=LGTH 11111          99999 primeiro registro de teste
=LGTH 22222          88888 xxxxxxxx registro de teste
=LGTH 33333          77777 terceiro yyyyyyyyyy de teste
=LGTH 44444          66666 quartoo registro de teste
=LGTH 11111          99999 wwwwwwro registro de teste
***** **** End of data ****
```

Após alterar para “SNGL”

```
Rec 1 of 5
_ Scroll PAGE
_ Format SNGL
```

```
Process  Options  Help
View      AD.TEMP.MYFILE02.SEQ
Command ==>

Length error
Current 01: MYBOOK1-REGISTRO
Field      CCSID  Data
MYBOOK1-CHAVE01          11111
MYBOOK1-CHAVE02          99999
MYBOOK1-NOME             primeiro registro de teste
MYBOOK1-NUM-DISP         23456
MYBOOK1-NUM-DISP-SIN     87654
MYBOOK1-NUM-COMP3        32345
MYBOOK1-NUM-COMP         222222226
FILLER                   reservado brancos
*** End of record ***
```

Para avançar para o próximo registro, utilize <PF11>, a <PF10> volta para o registro anterior.

7. Criando um “Template” (Critério de Seleção)

Através da criação de um “Template” é possível estabelecer um critério de seleção para os registros que serão visualizados/editados, bem como selecionar os campos desejados.

Vamos criar um “template” baseado em um copybook já existente.

Entre na opção 1.View ou 2.Edit, e informe o nome do dataset no capo “Data set/path name” e a biblioteca com o Copybook nos campos “Data set name” e “Member”.

```

Process  Options  Help
File Manager                                View Entry Panel
Command ==>

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
  Data set/path name 'AD.TEMP.MYFILE02.SEQ' +
  Member . . . . . (Blank or pattern for member list)
  Volume serial . . (If not cataloged)
  Start position . . +
  Record limit . . . Record sampling _

Copybook or Template:
  Data set name . . 'AD.DDS.MYBOOK.COPY'
  Member . . . . . MYBOOK1 (Blank or pattern for member list)

Processing Options:
Copybook/template  Start position type  Enter "/" to select option
1 1. Above         1. Key                Edit template 2 Type (1,2,S)
2. Previous        2. RBA                Include only selected records
3. None            3. Record number    Binary mode, reclen 80
4. Create dynamic  4. Formatted key
  
```

Digite “TE” (Template) na linha de comando.

```

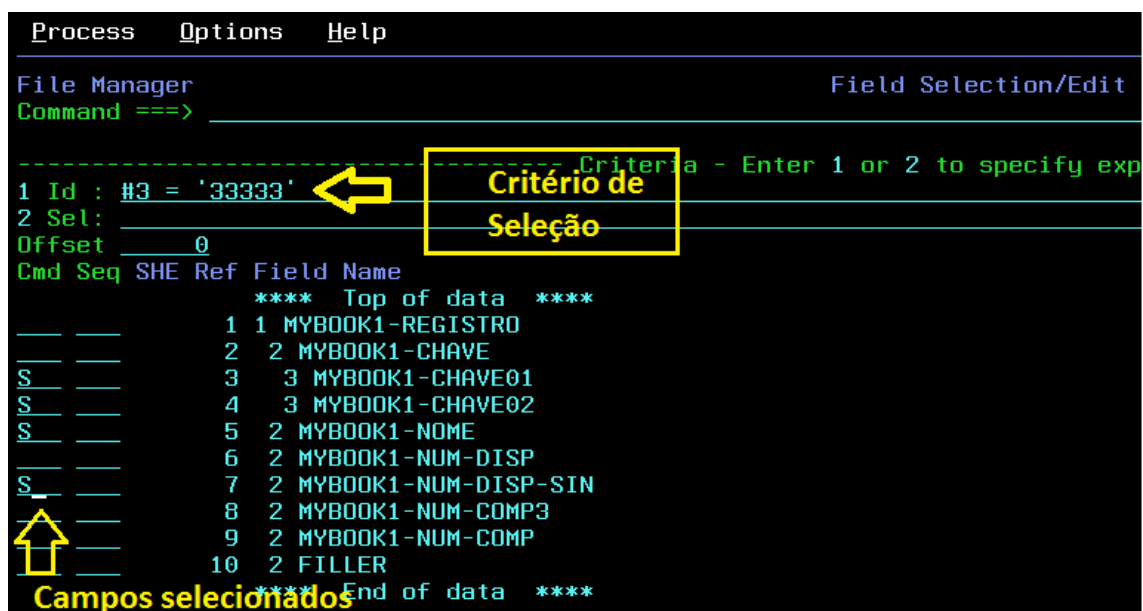
Process  Options  Help
View                                AD.TEMP.MYFILE02.SEQ
Command ==> TE

MYBOOK1-CHAVE01 MYBOOK1-CHAVE02 MYBOOK1-NOME MY
#3 #4 #5
AN 1:5 ZD 6:5 AN 11:30
<---> <---+> <---+----1----+----2----+---->

***** **** Top of data ****
=LGTH 11111 99999 primeiro registro de teste
=LGTH 22222 88888 xxxxxxxx registro de teste
=LGTH 33333 77777 terceiro 33333 primeiro
=LGTH 44444 66666 quartoo registro de teste
=LGTH 11111 99999 wwwwwwro registro de teste
=LGTH 33333 77777 terceiro 33333 segundo
=LGTH 22222 88888 xxxxxxxx registro de teste
=LGTH 33333 77777 terceiro 33333 terceiro
=LGTH 44444 66666 quartoo registro de teste
=LGTH 11111 99999 wwwwwwro registro de teste
=LGTH 33333 77777 terceiro 33333 quarto
***** **** End of data ****
  
```

Note que cada campo tem um número de identificação (#3, #4, #5).

Será exibida a tela abaixo, onde especificamos a condição para o campo “MYBOOK1-CHAVE01 (#3) = ‘33333’” e selecionamos os campos MYBOOK1-CHAVE01, MYBOOK1-CHAVE02, MYBOOK1-NOME e MYBOOK1-NUM-DISP-SIN para serem exibidos.




```

Process  Options  Help
File Manager                                Field Selection/Edit
Command ==>

----- Criteria - Enter 1 or 2 to specify exp
1 Id : #3 = '33333'
2 Sel:
Offset      0
Cmd Seq SHE Ref Field Name
**** Top of data ****
1 1 MYBOOK1-REGISTRO
2 2 MYBOOK1-CHAVE
3 3 MYBOOK1-CHAVE01
4 3 MYBOOK1-CHAVE02
5 2 MYBOOK1-NOME
6 2 MYBOOK1-NUM-DISP
7 2 MYBOOK1-NUM-DISP-SIN
8 2 MYBOOK1-NUM-COMP3
9 2 MYBOOK1-NUM-COMP
10 2 FILLER
**** End of data ****
  
```

Digite “SAVE” na linha de comando, será exibida a janela para informar a biblioteca com o Template nos campos “Data set name” e “Member”.



```

Process  Options  Help
Template Save
Command ==>

To discard changes to your template, press PF12/Cancel.
To use changes without saving, press PF6/RunTemp.
To save changes, type a data set and member name below, then press PF3/Exit.

Data set name  AD.DDS.MYBOOK.COPY
Member        MYTEMPL2
  
```

Tecla <PF3> para confirmar.

Tecla novamente <PF3> para sair.

```

Process  Options  Help
View      AD.TEMP.MYFILE02.SEQ
Command ==>

MYBOOK1-CHAVE01 MYBOOK1-CHAVE02 MYBOOK1-NOME MYBOOK1-NUM-DISP-SIN
#3 #4 #5 #7
AN 1:5 ZD 6:5 AN 11:30 ZD 46:5
<---> <---+> <---+---1---+---2---+---> <---+>
***** ***** Top of data *****
- - - - - 2 Line(s) not selected
=LGTH 33333 77777 terceiro 33333 primeiro 82344
- - - - - 2 Line(s) not selected
=LGTH 33333 77777 terceiro 33333 segundo 82344
- - - - - 1 Line(s) not selected
=LGTH 33333 77777 terceiro 33333 terceiro 82344
- - - - - 2 Line(s) not selected
=LGTH 33333 77777 terceiro 33333 quarto 82344
***** ***** End of data *****

```

Para modificar um “Template” já existente, entre na opção 1.View ou 2.Edit, coloque uma “/” no campo “Edit Template” e “2” no campo “Type” e <Enter>.

```

Process  Options  Help
File Manager View Entry Panel
Command ==>

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
Data set/path name 'AD.TEMP.MYFILE02.SEQ' +
Member . . . . . (Blank or pattern for member list)
Volume serial . . . . . (If not cataloged)
Start position . . . . . +
Record limit . . . . . Record sampling _

Copybook or Template:
Data set name . . 'AD.DDS.MYBOOK.COPY'
Member . . . . . MYTEMPL2 (Blank or pattern for member list)

Processing Options:
Copybook/template Start position type Enter "/" to select option
1 1. Above _ 1. Key / Edit template 2 Type (1,2,S)
2. Previous _ 2. RBA _ Include only selected records
3. None _ 3. Record number _ Binary mode, reclen 80
4. Create dynamic 4. Formatted key _

```

Digite “1” na linha de comando.

```

Process  Options  Help
File Manager Record Select
Command ==> 1

1 Edit template field attributes and selection

Cmd Con ( Field Name Start Length Type
<-> - <---+---1---+---2---+---3---> <---> <---> <->
*** ***** Top of data *****
MYBOOK1-REGISTRO 1 87 AN
AND MYBOOK1-CHAVE 1 10 AN
AND MYBOOK1-CHAVE01 1 5 AN
AND MYBOOK1-CHAVE02 6 5 ZD

```

Altere a condição ou os campos selecionados e “SAVE” na linha de comando.

```

Process  Options  Help
File Manager
Command ==> SAVE_

----- Criteria - Enter
1 Id : #3 = '22222'
2 Sel:
Offset 0
Cmd Seq SHE Ref Field Name
      **** Top of data ****
      1 1 MYBOOK1-REGISTRO
      2 2 MYBOOK1-CHAVE
      S 3 3 MYBOOK1-CHAVE01
      S 4 3 MYBOOK1-CHAVE02

```

Digite <PF3>, <PF3> e <Enter>, será exibido os registros com o novo critério de seleção.

```

Process  Options  Help
View      AD.TEMP.MYFILE02.SEQ
Command ==>

MYBOOK1-CHAVE01 MYBOOK1-CHAVE02 MYBOOK1-NOME MYBOOK1-NUM-DISP-SIN
#3 #4 #5 #7
AN 1:5 ZD 6:5 AN 11:30 ZD 46:5
<---> <---+> <---+---1---+---2---+---> <---+>
***** **** Top of data ****
- - - - - 1 Line(s) not selected
=LGTH 22222 88888 xxxxxxxx registro de teste 90909
- - - - - 4 Line(s) not selected
=LGTH 22222 88888 xxxxxxxx registro de teste 90909
- - - - - 4 Line(s) not selected
***** **** End of data ****

```

8. Visualizando/Editando campos Numérico com mais de 18 posições

Caso seu layout contenha algum campo numérico com mais de 18 posições será necessário ativar a opção “ARITH(EXTEND)” conforme segue.

Exemplo de book com campo maior que 18.

```

BROWSE      AD.DDS.MYBOOK.COPY(MYBOOK2) - 01.02      Line
Command ==>
***** Top of Data *****
*-----*
*  TESTE DE BOOK PARA O FILE MANAGER
*  TESTE CAMPO NUMERICO MAIR QUE 18
*-----*
*
01 MYBOOK1-REGISTRO.
03 MYBOOK1-CHAVE.
    05 MYBOOK1-CHAVE01      PIC X(05).
    05 MYBOOK1-CHAVE02      PIC 9(05).
    03 MYBOOK1-NOME         PIC X(30).
    03 MYBOOK1-NUM-DISP      PIC 9(05).
    03 MYBOOK1-NUM-DISP-SIN  PIC S9(05).
    03 MYBOOK1-NUM-COMP3     PIC S9(05) COMP-3.
    03 MYBOOK1-NUM-COMP      PIC S9(05) COMP.
    03 MYBOOK1-NUM-COMP3-M18 PIC S9(25) COMP-3.
    03 FILLER                PIC X(17).
***** Bottom of Data *****

```

No momento da edição será exibida a janela informando o erro.

```

Process  Options  Help
-----
F        Command ==>
C
I        The compile of the copybook produced a return code - 12
        Select one of the following options:
        1. View the compilation listing
        2. Abort processing
        3. Retry (recompile copybook)
        4. Retry (with alternate compiler)
C        5. Ignore the error and continue processing
P

```

Retorne ao menu principal (<PF3> duas vezes).

```
Process  Options  Help
-----  -
File Manager                      Primary Option Menu
Command ==> 0_

0  Settings      Set processing options      User ID . : F357296
1  View          View data                    System ID : AL2C
2  Edit          Edit data                      Appl ID . : FMN
3  Utilities     Perform utility functions   Version . : 14.1.7
4  Tapes        Tape specific functions    Terminal. : 3290A
5  Disk/VSAM     Disk track and VSAM CI functions Screen. . : 1
6  OAM          Work with OAM objects      Date. . . : 2019/10/23
7  Templates    Template and copybook utilities Time. . . : 14:29
8  HFS          Access Hierarchical File System
9  WebSphere MQ List, view and edit MQ data
10 CICS         FM/CICS
11 Remote       Remote System Definition
X  Exit         Terminate File Manager
```

Entre na opção 0 (Settings) e na sequência na opção 5 (Compiler).

```
Process  Options  Help
-----  -
File Manager                      Set Processing Options
Command ==> 5_

1  Print        Print settings
2  System       System settings
3  Tape         Tape processing options
4  Batch        Job card specifications
5  Compiler     Language and compiler specifications
6  EDIT        Editor options
7  Sharing     VSAM Edit sharing options
8  Temporary   Temporary Data Set Allocations
9  Output      Output Data Set Allocations
10 Trace       Trace options
```

Entre na opção 2 (COBOL).

```
Process  Options  Help
-----  -
File Manager                      Set Language and compiler specifications
Command ==> 2_

1  LANG        Compiler language selection
2  COBOL       COBOL compiler specifications
3  HLASM       HLASM compiler specifications
4  PL/I        PL/I compiler specifications
```

Digite <PF8> duas vezes até aparecer o campo “COBOL Compiler Options:” e selecione a opção “Arith(extend)” colocando uma “/”.

```
COBOL Compiler Options:
Enter "/" to select option
_ DBCS                      _ Decimal-point is comma
_/ Arith(extend)            _ Mixed case field names
Additional options _____
```

Confirme com <Enter> e retorne ao Menu Principal (<PF8> 3 vezes).

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Entre na opção 1. View (ou 2.Edit) e prossiga com sua utilização.

Process	Options	Help
File Manager View Entry Panel		
Command ==>		
Input Partitioned, Sequential or VSAM Data Set, or HFS file:		
Data set/path name	'AD.TEMP.MYFILE01.SEQ'	+
Member		(Blank or pattern for member list)
Volume serial . .		(If not cataloged)
Start position . .		+
Record limit . . .		Record sampling _
Copybook or Template:		
Data set name . .	'AD.DDS.MYBOOK.COPY'	
Member	MYBOOK2	(Blank or pattern for member list)
Processing Options:		
Copybook/template	Start position type	Enter "/" to select option
1. Above	1. Key	_ Edit template _ Type (1,2,S)
2. Previous	2. RBA	_ Include only selected records
3. None	3. Record number	_ Binary mode, reclen 80
4. Create dynamic	4. Formatted key	

Note o campo "#10" (MYBOOK1-NUM-COMP3-M18) que tem Picture "S9(25) COMP-3".

Process	Options	Help
View AD.TEMP.MYFILE01.SEQ		
Command ==>		
MYBOOK1-NUM-COMP	MYBOOK1-NUM-COMP3-M18	FILLER
#9	#10	#11
BI 54:4	PD 58:13	AN 71:17
<---+---1>	<---+---1---+---2---+>	<---+---1---+-->
***** ***** Top of data *****		
=LGTH	22222	222222222222222222221111
=LGTH	33333	222222222222222222222222
=LGTH	44444	1234567890123456789012345
=LGTH	55555	5432109876543210987654321
=LGTH	66666	1002003004005006007008001
=LGTH	77777	1000200030004000500060001
***** ***** End of data *****		