



This is the tutorial for the base feature of IBM File Manager for z/OS®, one of the IBM zSeries® Problem Determination tools.



### ▪ **How to view or edit using an unformatted display**

- How to view or edit a VSAM data set
- How to view or edit a QSAM (sequential) data set
- How to view or edit a PDS (library) data set

### ▪ **How to view or edit using a formatted display**

- How to view or edit a VSAM data set
- How to view or edit a QSAM (sequential) data set

### ▪ **How to change the way data is displayed**

- How to change the format displayed
- How to change the location displayed

In this section, you will learn how to edit or view a VSAM data set using an unformatted display.

## File Manager Primary Option Menu



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

0 Settings      Set processing options      User ID . : TSS12
1 View          View data                    System ID : STLABF6
2 Edit          Edit data                    Appl ID  . : FMN
3 Utilities     Perform utility functions   Version  . : 10.1.0
4 Tapes         Tape specific functions     Terminal. : 3278A
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
X Exit          Terminate File Manager

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d F8=Forward
F9=Swap    F10=Actions  F12=Cancel

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```

Here is File Manager's Primary Option panel. To get here, the person who installed File Manager on your system will have set up some menu options. If you are not sure how to get to File Manager on your system, you might want to contact your systems programmer or local help desk to find out.

## Option 1 displays the view entry panel



```
Process  Options  Help
-----
File Manager      Primary Option Menu
Command ==> 1
0 Settings      Set processing options
1 View          View data
2 Edit          Edit data
3 Utilities     Perform utility functions
4 Tapes        Tape specific functions
5 Disk/VSAM    Disk track and VSAM CI functions
6 OAM          Work with OAM objects
7 Templates    Template and copybook utilities
8 HFS          Access Hierarchical File System
9 WebSphere MQ List, view and edit MQ data
X Exit         Terminate File Manager

User ID . : TSS12
System ID : STLABF6
Appl ID  : FMN
Version  : 10.1.0
Terminal : 3278A
Screen   : 1
Date    . : 2010/05/19
Time    . : 03:15

F1=Help    F2=Split    F3=Exit    F4=CRetriev  F7=Backward  F8=
F9=Swap    F10=Actions F12=Cancel

Enter
```

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From the File Manager main menu, Option 1 is View. Type 1 on the command line, and press Enter.

## Type the fully qualified data set name



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

Input Partitioned, Sequential or VSAM Data Set, or HFS file.
Data set/path name 'DALLE.N.ADLAB.CUST1.KSDS' +
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

F1=Help   F2=Split  F3=Exit   F4=Expand  F7=Backward  F8=
F9=Swap   F10=Left  F11=Right F12=Cancel

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```

In this example the High Level Qualifier is different than the TSO User ID.

Copybook or Template:

3

Next, the view entry panel is displayed. You just type in the name of the file that you want to view in the **Data set/path name** field. In this example, be sure to use the fully qualified data set name. In this case the records are not going to be formatted, which is to say that a copybook or template will not be given to define fields in the records. Notice the **Copybook/template** field under **Processing Options**. Use a "3" in that field, which specifies that a copybook or template will not be used. Press Enter.

## The data is displayed



```

Process  Options  Help
-----
View
Command ==>  DALLEN.ADLAB.CUST1.KSDS  Top of 100
                                         Scroll PAGE
                                         Format CHAR
Key          Type KSDS      RBA          Col 1      Insert Length 4089
-----
<==>-----10-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----
*****  ****  Top of data  ****
000001  01001Lynn, Amanda    ../.*..89 Clay Springs Rd  Atwon      NVUSA
000002  02200Graham, Anna   .....119 North Lake Road  Spirit Lake IDUSA
000003  02202Major, Art     ....%..1512 Pine Bluff     Harmon     MNUSA
000004  03003Prentice, Anna .....33 Renshaw             Laramie    WYUSA
000005  03390Deeds, Darren  ... ..649 Brown Street     Sandstone  INUSA
000006  05570Parker, Ford   ....@..3039 Manning St.    Dearborn   MIUSA
000007  06101Early, Brighton.....9662 Summit Road        Buxford    NEUSA
000008  06106Lander, Annette...q<..6127 Cedar Street    Taledega   ALUSA
000009  06711Dubree, Dustin.....9229 Delegate's Row     Indianapolis INUSA
000010  06900Bacon, Chris P. .... ..1134 Rosetta         Lisle      ILUSA
000011  07008Houston, Roger...@..4411 Northside PkwayBanner Elk  NCUSA
000012  07044Schauer, April...h...7331 Gulf Shore Dr.  Naples     FLUSA
000013  07077Mann, Mr. E.   ....*..24 Valentine Rd     Danville   TNUSA
000014  07707Clime, Hilda   .....5545 Crystal SpringsDowagiac   MIUSA
F1=Help   F2=Zoom   F3=Exit   F4=CRetriev F5=RFind   F6=RC
F7=Up     F8=Down   F9=Swap   F10=Left    F11=Right  F12=Ca
    
```

Now the data is displayed. When you initiate the File Manager editor with the View Utility, this is referred to as being in a "View editor session" (or just "View"). In this mode, interacting with File Manager, is very similar to the ISPF view editor, and you can use most of the same commands. But if you are not familiar with the ISPF view editor, some of the commands will be discussed in just a minute. Each line that is displayed is a record in the file. The View editor allows you to view and temporarily change the data, but without the ability to save any changes. The view function, similar to ISPF view, provides an editor session that works essentially the same as the Edit Utility, but without the need for exclusive access to the data set. It presents you with an interface that is capable of holding your temporary changes to data. This may be useful, for example, for assessing a change but without any risk of altering live data.

Just so you know, if you have changed the data in a View editor session, even though you are not able to save the changes back to the same data set you are viewing, you can save the changed data to another data set (either existing or new) by issuing one of these primary commands: Append, Create, Replace or Saveas which will be discussed in just a moment. Press PF3 to end the viewer session.

## Type the unqualified data set name



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

Input Partitioned, Sequential or VSAM Data Set, or HFS File:
Data set/path name ADLAB.CUST1.KSDS +
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

F1=Help   F2=Split  F3=Exit   F4=Expand  F7=Backward  F8=
F9=Swap   F10=Left  F11=Right F12=Cancel

Enter
```

In this example the High Level Qualifier is the TSO User ID .

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This time, type the data set name without the high level qualifier. Press Enter.

# The data is displayed



```
Process  Options  Help
-----
View      TSS12.ADLAB.CUST1.KSDS                               Top of 100
Command ==> |                                           Scroll PAGE
                                           Type KSDS      RBA      Format CHAR
Key        Col 1      Insert Length 4089
-----
<==>-----10-----2-----3-----4-----5-----6-----7-----
***** **** Top of data ****
000001 01001Lynn, Amanda      ../.*.89 Clay Springs Rd  Atwon      NVUSA
000002 02200Graham, Anna        .....119 North Lake Road  Spirit Lake IDUSA
000003 02202Major, Art          ....%.1512 Pine Bluff     Harmon     MNUSA
000004 03003Prentice, Anna      .....33 Renshaw           Laramie    WYUSA
000005 03390Deeds, Darren       ... ..649 Brown Street    Sandstone  INUSA
000006 05570Parker, Ford        ....@.3039 Manning St.    Dearborn   MIUSA
000007 06101Early, Brighton     .....9662 Summit Road    Buxford    NEUSA
000008 06106Lander, Annette     ...q<.6127 Cedar Street   Taledega   ALUSA
000009 06711Dubree, Dustin      .....9229 Delegate's Row  Indianapolis INUSA
000010 06900Bacon, Chris P.     .....1134 Rosetta         Lisle      ILUSA
000011 07008Houston, Roger      ...@.4411 Northside Pkway  Banner Elk  NCUSA
000012 07044Schauer, April     ...h...7331 Gulf Shore Dr.  Naples     FLUSA
000013 07077Mann, Mr. E.       ....*..24 Valentine Rd    Danville   TNUSA
000014 07707Clime, Hilda        .....5545 Crystal Springs  Dowagiac   MIUSA
F1=Help  F2=Zoom  F3=Exit  F4=CRetrie  F5=RFind  F6=RC
F7=Up    F8=Down  F9=Swap  F10=Left   F11=Right F12=Ca
F3
```

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The data is displayed. Notice your TSO user ID was substituted as the high level qualifier. Press PF3 to exit the viewer session.



## Tip - about your TSO PROFILE PREFIX setting



```
Input Partitioned, Sequential or VSAM Data Set, or HFS file:
Data set/path name ADLAB.CUST1
Member Blank or pattern for member
```

- **Do you want TSO to assume file names begin with your TSO ID ?**
  - The PREFIX setting in your TSO profile controls it
- Command: **TSO PROFILE PREFIX(yourid)** turns it on
  - If you specify: **some.file** then **yourid.some.file** is used
- Command: **TSO PROFILE NOPREFIX** turns it off
- With either setting, when you use quotation marks, like this: **'yourid.some.file'** then the exact name is used
- Command: **TSO PROFILE** displays your TSO profile settings

Here is a tip about how you type in file names when you are working in TSO. You have a personal setting called “prefix” that controls it, and you should use it based on your own personal preference. Do you want TSO to assume that file names begin with your TSO ID? Or some other common qualifiers? If most of your files start with your ID, turn this option on to save yourself a lot of typing.

Here is an example of the command that turns it on. If you enter the TSO PROFILE PREFIX command with the prefix string in parentheses, it turns it on. If you make the prefix string your user id, then when you edit a file named “SOME.FILE”, then TSO assumes that you really want “your-id.SOME.FILE.”. The command TSO PROFILE NOPREFIX turns it off.

With either setting, when you put single quotation marks around your file name, then TSO uses exactly the name that you typed. If you do not know what your TSO settings are, enter the command TSO PROFILE, to display your current settings, including your profile setting.

## Display a list of data sets



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

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
Data set/path name ADLAB.** +
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

F1=Help   F2=Split   F3=Exit   F4=Expand   F7=Backward  F8=
F9=Swap   F10=Left  F11=Right F12=Cancel

Enter
```

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Most places in File Manager where you can enter a file name allow you to include wildcards in the name. This is a good trick since you can type in a partial data set name or just a few characters and then select from a list. In the **Data set/path name** field, type in **ADLAB.\*\*** . Since the prefix setting is on, the TSO ID is assumed as the first qualifier, if the name is not started with a quote. In this case a list of files where the second qualifier starts with ADLAB is being asked for, and the full name can be any length and can have any number of qualifiers. Press Enter.

## Select a data set from the list displayed



```
Process  Options  Help
File Manager          Data Set Selection          Row 00001 of 00020
Command ==>          Scroll PAGE
Data Set Selection for TSS12.ADLAB.**
Data Set Name          Type  Volume Created
TSS12.ADLAB.**          *    *          *
- TSS12.ADLAB.COPYLIB    NVSAM SMS009 2010.113
- TSS12.ADLAB.CUSTFILE   NVSAM STF2A6 2010.113
- TSS12.ADLAB.CUST1      NVSAM STF2A6 2010.113
S TSS12.ADLAB.CUST1.KSDS  KSDS          2010.113
- TSS12.ADLAB.CUST1.KSDS.DATA  DATA SMS015 2010.113
- TSS12.ADLAB.CUST1.KSDS.INDEX  INDEX SMS015 2010.113
- TSS12.ADLAB.CUST2SEG    NVSAM SMS01D 2010.113
- TSS12.ADLAB.DTCMD      NVSAM SMS015 2010.113
- TSS12.ADLAB.DTLOG      NVSAM SMS01A 2010.113
- TSS12.ADLAB.DTPREF     NVSAM SMS01F 2010.113
- TSS12.ADLAB.DTSF       NVSAM STF2A5 2010.113
- TSS12.ADLAB.EQALANGX   NVSAM SMS020 2010.113
- TSS12.ADLAB.FILES      NVSAM SMS01B 2010.113
- TSS12.ADLAB.JCL        NVSAM SMS01F 2010.113
- TSS12.ADLAB.LISTING    NVSAM SMS015 2010.113
F1=Help   F2=Split   F3=Exit   F4=CRetriev F5=RFind   F7=
F8=Forward F9=Swap    F10=Left  F11=Right  F12=Cancel
```

Note: Additional filtering fields

Enter

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A list of data sets is displayed using your TSO ID as the high level qualifier and ADLAB as the second qualifier. The two asterisks resolves all the remaining qualifiers. Select one of the data sets displayed in the list by moving your cursor to the prefix area and typing the letter S next to the data set name. Press Enter.

## The data is displayed



```

Process  Options  Help
-----
View      TSS12.ADLAB.CUST1.KSDS                               Top of 100
Command ==> |                                         Scroll PAGE
                                         Type KSDS      RBA          Format CHAR
Key        Col 1      Insert Length 4089
-----
<==>-----10-----2-----3-----4-----5-----6-----7-----
***** **** Top of data ****
000001 01001Lynn, Amanda      ../.*.89 Clay Springs Rd  Atwon      NVUSA
000002 02200Graham, Anna        .....119 North Lake Road  Spirit Lake IDUSA
000003 02202Major, Art          ....%.1512 Pine Bluff     Harmon     MNUSA
000004 03003Prentice, Anna      .....33 Renshaw           Laramie    WYUSA
000005 03390Deeds, Darren       ... ..649 Brown Street    Sandstone  INUSA
000006 05570Parker, Ford        ....@.3039 Manning St.    Dearborn   MIUSA
000007 06101Early, Brighton     .....9662 Summit Road    Buxford    NEUSA
000008 06106Lander, Annette     ...q<.6127 Cedar Street   Taledega   ALUSA
000009 06711Dubree, Dustin     .....9229 Delegate's Row  Indianapolis INUSA
000010 06900Bacon, Chris P.     .....1134 Rosetta         Lisle      ILUSA
000011 07008Houston, Roger      ...@..4411 Northside PkwayBanner Elk  NCUSA
000012 07044Schauer, April     ...h...7331 Gulf Shore Dr. Naples  FLUSA
000013 07077Mann, Mr. E.       ...*..24 Valentine Rd    Danville   TNUSA
000014 07707Clime, Hilda        .....5545 Crystal SpringsDowagiac  MIUSA
F1=Help   F2=Zoom   F3=Exit   F4=CRetriev F5=RFind   F6=RChange
F7=Up     F8=Down   F9=Swap   F10=Left    F11=Right  F12=Cancel
  
```

The data in the data set you selected is displayed. Notice the fully qualified data set name is also displayed above the command line.

## Tip - use wildcards in data set names



- Use these wildcard characters in a Data Set name to select from a list:

- \*\*** Any number of characters, any number of qualifiers
- \*** Any number of characters, just one qualifier
- %** Just one character

- For example, these patterns will display a list that includes 'TEST.ADLAB.CUST1':

```
'TEST.**'  
'TEST.AD**'  
'TEST.*.CUST1'  
'TEST.AD*.%U%%1'  
'TE**'  
'TEST.ADLAB.**'
```

You can use the wildcards indicated here in your file names. One \* is a wildcard within a single qualifier, that is, anything between dots. Two asterisks matches any number of characters in any number of qualifiers. A % matches just one character. All of the examples shown here will match a file named 'TEST.ADLAB.CUST1': 'TEST.\*\*' 'TEST,AD\*\*' 'TEST.\*.CUST1' 'TEST.AD\*.%U%%1' and 'TE\*\*'

# Display online help



```
Process  Options  Help
-----  -
View      TSS12.ADLAB.CUST1.KSDS                               Top of 100
Command ==> help █                                         Scroll PAGE
                                         Type KSDS      RBA          Format CHAR
Key       Col 1      Insert Length 4089
<==>-----10-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----
*****  ****  Top of data  ****
000001  01001Lynn, Amanda      ../.*..89 Clay Springs Rd  Atwon      NVUSA
000002  02200Graham, Anna     .....119 North Lake Road  Spirit Lake IDUSA
000003  02202Major, Art       ....%..1512 Pine Bluff     Harmon     MNUSA
000004  03003Prentice, Anna   .....33 Renshaw           Laramie    WYUSA
000005  03390Deeds, Darren    ... ..649 Brown Street     Sandstone  INUSA
000006  05570Parker, Ford     ....@..3039 Manning St.    Dearborn   MIUSA
000007  06101Early, Brighton  .....9662 Summit Road     Buxford    NEUSA
000008  06106Lander, Annette  ...q<..6127 Cedar Street   Taledega   ALUSA
000009  06711Dubree, Dustin   .....9229 Delegate's Row  Indianapolis INUSA
000010  06900Bacon, Chris P.  .....1134 Rosetta         Lisle      ILUSA
000011  07008Houston, Roger   ...@..4411 Northside PkwayBanner Elk  NCUSA
000012  07044Schauer, April  ...h...7331 Gulf Shore Dr. Naples  FLUSA
000013  07077Mann, Mr. E.     ...*..24 Valentine Rd     Danville   TNUSA
000014  07707Clime, Hilda     .....5545 Crystal SpringsDowagiac  MIUSA
F1=Help   F2=Zoom   F3=Exit   F4=CRetriev F5=RFind   F6=
F7=Up     F8=Down   F9=Swap   F10=Left    F11=Right  F12=
Enter
```

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File Manager provides online help panels. The help panels may be accessed by using the help command, the F1 key, or a question mark in the prefix area.

Type help on the command line and press enter.

## From the help menu select primary commands



File Manager Tutorial - Editor View

Command ==> 8

View allows you to display data in a data set, or MQ Series queue. Temporary changes may be made to the displayed data.

The following topics are presented in sequence by pressing Enter or may be selected by number:

0	General information	8	Primary commands
1	Types of data set	9	Prefix commands
2	View entry panel	10	Labels and line ranges
3	Data set selection list	11	Function keys
4	Member selection list	12	Editing a template
5	Display screen formats	13	Miscellaneous notes
6	Scrolling data		
7	Data display formats		

F1=Help F2=Split F3=Exit F4=Resize F5=Ex-help F6=...  
F7=PrvTopic F8=NxtTopic F9=Swap F10=PrvPage F11=NxtPage F12=...

Enter

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The File Manager Tutorial is displayed. Type an 8 on the command line to display primary commands and press enter.

## Primary commands are displayed



```
File Manager Tutorial - Edit
Command ==> █
Primary commands

For detailed help on a command, tab to, or place cursor on command and press
the HELP key (usually F1).

More: +
APPEND  AUTORTRY  AUTOSAVE  BOTTOM    BOUNDS   CANCEL   CAPS
CASE    CE          CEDIT    CHANGE   CHGASAVE COPY    CREATE
CUT     DEDIT     DELETE   DOWN     EXCLUDE  EXIT     FC
FE      FH         FILE     FIND     FL        FORMAT   FS
FT      GET        HEX      JOIN     JUST     KEY      LEFT
LOCATE  NEXT       OFFSET   PACK     PASTE    PIC      PREFIX
PREV    PROFILE   PUT      RD        RDF       RECLLEN RECOVER
RECSTATS REF        REFRESH  REPLACE  RESET    RF       RIGHT
RP      SAVE      SAVEAS   SHADOW   SHOW     SLOC    SORT
SPLT    SPLTJOIN  STR      SUBMIT   SV        TEDIT   TOP
TVIEW   TYPE      UP       VIEW     ZOOM

The following topics are presented in sequence by pressing Enter or may be
selected by number:

F1=Help    F2=Split    F3=Exit    F4=Resize  F5=Ex-help  F6=Ke
F7=PrvTopic F8=NxtTopic F9=Swap    F10=PrvPage F11=NxtPage F12=Ca
```

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A list of primary commands is displayed. Help on a command may be displayed by tabbing to or placing the cursor on the command then pressing F1.

PF3 to exit the tutorial.



# Display prefix command help



```
Process  Options  Help
-----  -
View          TSS12.ADLAB.CUST1.KSDS                      Top of 100
Command ==> _____ Scroll PAGE
                                   Type KSDS      RBA _____ Format CHAR
Key _____ Col 1 _____ Insert Length 4089
<==>-----10-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----
**** ** Top of data ****
?00001 01001Lynn, Amanda      ../*..89 Clay Springs Rd  Atwon      NVUSA
000002 02200Graham, Anna        .....119 North Lake Road Spirit Lake IDUSA
000003 02202Major, Art          ...%..1512 Pine Bluff    Harmon     MNUSA
000004 03003Prentice, Anna      .....33 Renshaw          Laramie    WYUSA
000005 03390Deeds, Darren       ... ..649 Brown Street   Sandstone  INUSA
000006 05570Parker, Ford        ....@..3039 Manning St.  Dearborn   MIUSA
000007 06101Early, Brighton    .....9662 Summit Road   Buxford    NEUSA
000008 06106Lander, Annette    ...q<..6127 Cedar Street  Taledega   ALUSA
000009 06711Dubree, Dustin     .....9229 Delegate's Row Indianapolis INUSA
000010 06900Bacon, Chris P.    .....1134 Rosetta        Lisle      ILUSA
000011 07008Houston, Roger     ...@..4411 Northside PkwyBanner Elk    NCUSA
000012 07044Schauer, April     ...h...7331 Gulf Shore Dr. Naples    FLUSA
000013 07077Mann, Mr. E.       ...*..24 Valentine Rd    Danville   TNUSA
000014 07707Clime, Hilda       .....5545 Crystal SpringsDowagiac   MIUSA
F1=Help   F2=Zoom   F3=Exit   F4=CRetriev F5=RFind   F6=
F7=Up     F8=Down   F9=Swap   F10=Left    F11=Right  F12=
```



Again, the data is displayed. Type a question mark in the prefix area then press enter.

## Prefix commands are displayed



```
File Manager Available Edit Prefix Commands
Command ==> |
More: +
You can enter the following commands in the prefix area of the data display:
A identifies the record after which data is to be moved or copied.
B identifies the record before which data is to be moved or copied.
BND place a bounds record here to show current editor bounds.
C copy one record.
Cn copy n records.
CC copy block of records. Mark start and end of block.
COLS Use COLS to display the columns line. For example:
000300
cols ----+-----10----+-----2----+-----3----+-----4----+-----5---- etc.
000500
F1=Help F2=Split F3=Exit F4=CRetrieval F7=Backward F8=Forward
F9=Swap F10=Actions F12=Cancel
```



A list of prefix commands are displayed. You can navigate the help by using F8 for forward and F7 for back. Press PF3 to exit.

## Display field level help



```
Process  Options  Help
View      TSS12.ADLAB.CUST1.KSDS          Top of 100
Command ==>                               Scroll PAGE
Key      Type KSDS      RBA      Format CHAR
          Col 1      Insert Length 4089
<==>---10---+---2---+---3---+---4---+---5---+---6---+---7---
***** **** Top of data ****
000001 01001Lynn, Amanda    ../.*..89 Clay Springs Rd Atwon    NVUSA
000002 02200Graham, Anna     .....119 North Lake Road Spirit Lake IDUSA
000003 02202Major, Art       ....%..1512 Pine Bluff    Harmon  MNUSA
000004 03003Prentice, Anna    .....33 Renshaw          Laramie WYUSA
000005 03390Deeds, Darren    ... ..649 Brown Street   Sandstope INUSA
000006 05570Parker, Ford     ....@..3039 Manning S
000007 06101Early, Brighton  ....9662 Summit Ro
000008 06106Lander, Annette  ...q<..6127 Cedar Str
000009 06711Dubree, Dustin   .....9229 Delegate's Row Indianapolis INUSA
000010 06900Bacon, Chris P.  .....1134 Rosetta        Lisle   ILUSA
000011 07008Houston, Roger   ...@..4411 Northside PkwayBanner Elk  NCUSA
000012 07044Schauer, April  ...h...7331 Gulf Shore Dr. Naples    FLUSA
000013 07077Mann, Mr. E.     ...*..24 Valentine Rd    Danville TNUSA
000014 07707Clime, Hilda     .....5545 Crystal SpringsDowagiac  MIUSA
F1=Help   F2=Zoom   F3=Exit   F4=CRetriev  F5=RFind   F6=RO
F7=Up     F8=Down   F9=Swap   F10=Left    F11=Right  F12=Ca
```

Note: Place the cursor in the field and press F1.

**F1**

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File Manager also provides field level help. Place the cursor in the scroll field then press F1.

## Field level help is displayed



Process	Options	Help
---------	---------	------

---

View TSS12.ADLAB.CUST1.KSDS
Top of 100

Command ==>
Scroll PAGE

	Type KSDS	Amount
Key	<==>----10----+----2----+----3--	
*****	**** Top of data ****	
000001	01001Lynn, Amanda ../*..89	
000002	02200Graham, Anna .....119	
000003	02202Major, Art ....%..151	
000004	03003Prentice, Anna .....33	
000005	03390Deeds, Darren ... ..649	
000006	05570Parker, Ford ....@..303	
000007	06101Early, Brighton .....966	
000008	06106Lander, Annette ...q<..612	
000009	06711Dubree, Dustin .....922	
000010	06900Bacon, Chris P. ....113	
000011	07008Houston, Roger ...@..441	
000012	07044Schauer, April ...h...733	
000013	07077Mann, Mr. E. ....*.24 Valentine Rd Danville TNUSA	
000014	07707Clime, Hilda .....5545 Crystal SpringsDowagiac MIUSA	

Range: PAGE, HALF, DATA, CSR, nnnn, MAX  
 Default: PAGE  
 More: +  
 Specifies the amount of scrolling to be done when a scroll command is entered:  
 PAGE one screen  
 HALF half a screen  
 DATA one line or column less than  
 F1=Help F2=Split F3=Exit  
 F4=Resize F5=Ex-help

F3

F1=Help	F2=Zoom	F3=Exit	F4=CRetrieV	F5=RFind	F6=RChange
F7=Up	F8=Down	F9=Swap	F10=Left	F11=Right	F12=Cancel

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A pop-up panel is displayed with information about the values for the field. PF3 to exit.

## Use the find command



```
View TSS12 ADLAB.CUST1.KSDS
Command ==> f ann 6 17 [Enter] Chars 'ann' found
Type KSDS RBA _____ Format CHAR
Key _____ Col 1 _____ Insert Length 4089
<==>-----10-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----
***** **** Top of data ****
000001 01001Lynn, Amanda ../*..89 Clay Springs Rd Atwon NVUSA
000002 02200Graham, Anna .....119 North Lake Road Spirit Lake IDUSA
000003 02202Major, Art ....%..1512 Pine Bluff Harmon MNUSA
000004 03003Prentice, Anna .....33 Renshaw Laramie WYUSA
000005 03390Deeds, Darren ... ..649 Brown Street Sandstone INUSA
000006 05570Parker, Ford ....@..3039 Manning St. Dearborn MIUSA
000007 06101Early, Brighton .....9662 Summit Road Buxford NEUSA
000008 06106Lander, Annette ...q<..6127 Cedar Street Taledega ALUSA
000009 06711Dubree, Dustin .....9229 Delegate's Row Indianapolis INUSA
000010 06900Bacon, Chris P. ....1134 Rosetta Lisle ILUSA
000011 07008Houston, Roger ...@..4411 Northside PkwyBanner Elk NCUSA
000012 07044Schauer, April ...h...7331 Gulf Shore Dr. Naples FLUSA
000013 07077Mann, Mr. E. ....*..24 Valentine Rd Danville TNUSA
000014 07707Clime, Hilda .....5545 Crystal SpringsDowagiac MIUSA
F1=Help F2=Zoom F3=Exit F4=CRetrieval F5=RFind F6=RChange
F7=Up F8=Down F9=Swap F10=Left F11=Right F12=Cancel
```

Here is the view. First, just use a FIND command to search for a character string. Type F ANN 6 17 on the command line and press Enter

File Manager put the cursor on the next occurrence of the string that it found in position 6 to 17. And it highlighted other ones that happened to be on the screen just for reference.

## Use the extended find command



The screenshot shows the IBM File Manager interface. At the top, the path is `TSS12.ADLAB.CUST1.KSDS`. The command line shows `Command ==> fx` with a cursor at the end. A yellow box highlights the `Enter` key. Below the command line, an "Extended Command Entry" window is open, displaying the text "Complete typing the FIND command and press Enter." The search string `ann all 6 17` is entered in the `FIND` field. A yellow box highlights the `Enter` key at the bottom right of the window. The search results are displayed in a list format, showing file names and their locations. The list includes:

File Name	Location
000010 06900Bacon, Chris P.	.....1134 Rosetta Lisle ILUSA
000011 07008Houston, Roger	...@..4411 Northside PkwayBanner Elk NCUSA
000012 07044Schauer, April	...h...7331 Gulf Shore Dr. Naples FLUSA
000013 07077Mann, Mr. E.	...*..24 Valentine Rd Danville TNUSA
000014 07707Clime, Hilda	.....5545 Crystal SpringsDowagiac MIUSA

At the bottom of the screen, the page number `22` is displayed, along with the text `IBM File Manager for z/OS Base Feature for z/OS V10 tutorial` and `© 2010 IBM Corporation`.

Have you ever had the problem where there is not enough room on the command line to type in a long search string that you need to find? There is a command in File Manager to take care of that. The FX command (for Find Extended) brings up an extended command entry window. You can use it to type a very long string.

In the extended command entry pop-up box, a long search string was typed and the press Enter.

## The results from the find command is displayed



```

Process  Options  Help
-----  -
View          TSS12.ADLAB.CUST1.KSDS          7 string(s) found
Command ==>          Scroll PAGE
Key          Type KSDS      RBA          Format CHAR
              Col 1      Insert Length 4089
              <==>----10---+----2---+----3---+----4---+----5---+----6---+----7---
*****  **** Top of data  ****
000001 01001Lynn, Amanda    ../.*..89 Clay Springs Rd  Atwon      NVUSA
000002 02200Graham, Anna   .....119 North Lake Road  Spirit Lake IDUSA
000003 02202Major, Art     ....%..1512 Pine Bluff     Harmon     MNUSA
000004 03003Prentice, Anna  .....33 Renshaw           Laramie    WYUSA
000005 03390Deeds, Darren  ... ..649 Brown Street     Sandstone  INUSA
000006 05570Parker, Ford   ....@..3039 Manning St.    Dearborn   MIUSA
000007 06101Early, Brighton .....9662 Summit Road       Buxford    NEUSA
000008 06106Lander, Annette...q<..6127 Cedar Street    Taledega   ALUSA
000009 06711Dubree, Dustin .....9229 Delegate's Row     Indianapolis INUSA
000010 06900Bacon, Chris P. ....1134 Rosetta           Lisle      ILUSA
000011 07008Houston, Roger ...@..4411 Northside PkwayBanner Elk  NCUSA
000012 07044Schauer, April ...h...7331 Gulf Shore Dr.  Naples     FLUSA
000013 07077Mann, Mr. E.   ...*..24 Valentine Rd     Danville   VA
000014 07707Clime, Hilda   .....5545 Crystal SpringsDowagiac  SA
F1=Help   F2=Zoom   F3=Exit   F4=CRetrie  F5=RFind   F6=
F7=Up     F8=Down   F9=Swap   F10=Left   F11=Right  F12=Ca
    
```

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And here is the results of the FIND command. Press F3 twice.

## Option 2 displays the edit entry panel



```
Process  Options  Help
-----
File Manager          Primary Option Menu
Command ==> 2
-----
0 Settings      Set processing options      User ID . : TSS12
1 View          View data                    System ID : STLABF6
2 Edit          Edit data                    Appl ID  . : FMN
3 Utilities     Perform utility functions    Version . : 10.1.0
4 Tapes        Tape specific functions      Terminal. : 3278A
5 Disk/VSAM    Disk track and VSAM CI functions  Screen. . : 1
6 OAM          Work with OAM objects        Date. . . : 2010/04/24
7 Templates    Template and copybook utilities  Time. . . : 07:43
8 HFS          Access Hierarchical File System
9 WebSphere MQ List, view and edit MQ data
X Exit         Terminate File Manager

F1=Help      F2=Split      F3=Exit      F4=CRetriev  F7=Backward  F8
F9=Swap      F10=Actions   F12=Cancel

Enter
```

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From the File Manager main menu, Option 2 is Edit. Type 2 on the command line, and press Enter.



## The edit entry panel is displayed



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

Input Partition, Sequential or VSAM Data Set, or HFS file:
Data set/path name ADLAB.CUST1.KSDS +
Member . . . . . (Blank or pattern for member list)
Volume serial . . . . . (If not cataloged)
Start position . 02200 +
Record limit . 30 Record sampling _
Inplace edit . . . . . (Prevent inserts and d
Copybook or Template:
Data set name . . . . .
Member . . . . . (Blank or pattern for
Processing Options:
Copybook/template Start position type Enter "/" to select option
3 1. Above 1 4. 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 - Create audit trail

F1=Help F2=Split F3=Exit F4=Expand F7=Backward F8
F9=Swap F10=Left F11=Right F12=Cancel Enter
```

Note: A VSAM key is used as the start position and a record limit value

Starting from the edit entry panel, you will type in the name of the VSAM file that you want to work with in the **Data set/path name** field. If you do not change any other options, it will display all of the records in the file by default. In this case, give it a starting position in the **Start position** field. In the **Start position type** field, specify option 1 (for Key). That means that the start position specified is actually a key value or a partial key value of a record in the VSAM data set. If, instead, a 3 had been specified in the **Start position type** field, then the start position would be a record number instead of a key.

Also give it a record limit of 30 in the **Record limit** field. So all of that means that the edit session will start at the first record that it finds with a key value equal to or greater than the value entered in the **Start position** field, and it will display only 30 records. It is good to point out that you can use start positions and record limits with any kind of file, not just VSAM files. Press Enter to continue.

## Use the change command



The screenshot shows the Edit panel for file TSS12.ADLAB.CUST1.KSDS. The command line contains 'C anna Anne 6 17' and an 'Enter' button. The panel displays a list of records with columns for key, name, address, and country. The first record, '000001 02200 Graham, Anne', is highlighted. A note points to this record: 'Note: The changed record is highlighted'. The bottom of the panel shows the page number 26, the product name 'IBM File Manager for z/OS Base Feature for z/OS V10 tutorial', and the copyright '© 2010 IBM Corporation'.

```

Edit
TSS12.ADLAB.CUST1.KSDS
Command ==> C anna Anne 6 17 [Enter] 1/1 changed
Type KSDS RBA Format CHAR
Key Col 1 Insert Length 4089
***** Key used to set start point *****
000001 02200 Graham, Anne .....119 North Lake Road Spirit Lake IDUSA
000002 02202 Major, Art .....1512 Pine Bluff Harmon MNUSA
000003 03003 Prentice, Anna .....35 Renshaw Laramie WYUSA
000004 03390 Deeds, Darren ... ..649 Brown Street Sandstone INUSA
000005 05570 Parker, Ford ...@...3039 Manning St. Dearborn MIUSA
000006 06101 Early, Brighton .....9662 Summit Road SA
000007 06106 Lander, Annette ...q<..6127 Cedar Street SA
000008 06711 Dubree, Dustin .....9229 Delegate's Row Indianapolis INUSA
000009 06900 Bacon, Chris P. ....1134 Rosetta Lisle ILUSA
000010 07008 Houston, Roger ...@...4411 Northside Pkwy Banner Elk NCUSA
000011 07044 Schauer, April ...h...7331 Gulf Shore Dr. Naples FLUSA
000012 07077 Mann, Mr. E. ....*.24 Valentine Rd Danville TNUSA
000013 07707 Clime, Hilda .....5545 Crystal Springs Dowagiac MIUSA
000014 07870 Furst, April ....*..955 Dundas London ONCanada
F1=Help F2=Zoom F3=Exit F4=CRetriev F5=RFind F6=RChange
F7=Up F8=Down F9=Swap F10=Left F11=Right F12=Cancel

```

Here is the edit panel. First, just use a CHANGE command to search for a character string. Type C anna Anne 6 17 on the command line and press Enter.

File Manager put the cursor on the changed string and highlights the record.

## Use the extended change command



```

Edit
Command ==> CX
TSS12.ADLAB.CUST1.KSDS
Extended Command Entry
K
Complete typing the CHANGE command and press Enter.
*
0 CHANGE ==> 'anna' 'Anne' all 6 17
0 ==>
0 ==>
0 ==>
0 ==>
0
0 F1=Help F2=Split F3=Exit F9=Swap F12=Cancel
0
000010 07008Houston, Roger ...@..4411 Northside PkwyBanner Elk NCUSA
000011 07044Schauer, April ...h...7331 Gulf Shore Dr. Naples FLUSA
000012 07077Mann, Mr. E. ....*.24 Valentine Rd Danville TNUSA
000013 07707Clime, Hilda .....5545 Crystal SpringsDowagiac MIUSA
000014 07870Furst, April ....*..955 Dundas London ONCanada
F1=Help F2=Zoom F3=Exit F4=CRetriev F5=RFind F6=
F7=Up F8=Down F9=Swap F10=Left F11=Right F12=
Enter
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```

The CX command (for Change Extended) brings up an extended command entry window. You can use it to type a very long string.

In the extended command entry pop-up box, a long change string was typed. Press enter.

## Results from the change command is displayed



```
Process  Options  Help
Edit          TSS12.ADLAB.CUST1.KSDS          1/1 changed
Command ==> _____ Scroll CSR
Key 22090          Type KSDS          RBA 8606          Format CHAR
          Col 1          Insert Length 4089
<==>---10---+---2---+---3---+---4---+---5---+---6---+---7---
000026 22090 Lizst, Anne          .....9556 Ross Avenue  Mt. Airy  NCUSA
000027 22600 Boyd, Luke A.          .....221 Yale Rd      South Perth  Austral
000028 23004 Furst, Hugo          .....155 Bailey Avenue Eagan      MNUSA
D00029 24090 Downe, Pat          ...r%..12 Bannerghatta RoadBangalore  India
000030 25001 Cooke, Amelia          .....5305 Valley Park  Roanoke    VAUSA
*****  *** Record limit reached (30) ****

F1=Help  F2=Zoom  F3=Exit  F4=CRetriev  F5=RFind  F6=RO  F7=Up    F8=Down    F9=Swap    F10=Left  F11=Right  F12=Ca  F3
```

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Here is the results of the change. Notice there is an indicator that the record limit of 30 was reached. Now, type the letter D in the prefix area on record 29 then press F3.

## The changes were saved



```
Process  Options  Help
-----
File Manager          Edit Entry Panel          3 record(s) updated
Command ==> █

Input Partitioned, Sequential or VSAM Data Set, or HFS file:
Data set/path name ADLAB.CUST1.KSDS +
Member . . . . . (Blank or pattern for member list)
Volume serial . . (If not cataloged)
Start position . . 02200 +
Record limit . . . 30 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 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 - Create audit trail

F1=Help   F2=Split  F3=Exit   F4=Expand  F7=Backward  F8=Forward
F9=Swap   F10=Left  F11=Right F12=Cancel

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```

Here is the results of the edit session. The message “three records were updated” is displayed above the command line indicating 3 records were updated. Note one of the updates was a delete.

Press PF3 to end the session.

That is the end of this section, which described How to view or edit a vsam data set using an unformatted display

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