




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

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- **How to select records with a copybook template**
 - How to create a copybook template
 - How to save a copybook template
 - How to change a copybook template
 - **How to customize how the data is displayed**
 - How to turn off, re-order, and hold fields
 - **How to copy data**
 - How to copy a data set
 - **How to print data**
 - How to print a data set

In this section you will learn how to use File Manager templates. You will learn what they are and why you might want to use one. You will also learn how to create them, save them, and make changes to them.

To get the most out of File Manager, you need to understand template processing. You should know what a template is, why you would use one, and how you work with it. Once you understand template processing you can easily do most of the tasks in File Manager edit and utilities.

Templates are used for several reasons. First, you can use templates to lay your records out into individual fields. You can use them to select records to be displayed or processed. Also, you can select only certain fields to be displayed. In addition, you can differentiate between different record types that have different layouts and control the formatting of data displayed in view, edit, or print.

Edit template with selection criteria



- From the Edit Entry Panel, View Entry Panel, or a Utility Entry Panel :
 - ▶ Edit template
 - Indicates if you want to edit the template before use. You edit the template when you need to change format, selection, data create attributes, and reformatting information for output copy templates.
 - ▶ Type (1,2,S)
 - The type of editing you want to perform.
 - You can specify one of the following values:
 - 1 - Shortcut to display the Record Identification Criteria panel
 - 2 - Shortcut to display the Record Selection Criteria panel
 - S - Shortcut to the Advanced Copybook selection facility.

```
Enter "/" to select option
/ Edit template 2 Type (1,2,S)
- Include only selected records
- Binary mode, reclen _____
```

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To better understand the process of editing templates there are two fields under the processing options that will be discussed here. A forward slash in the edit template field tells File Manager you want to edit the copybook template. Once you complete the template edit the forward slash is automatically removed. The type field tells File Manager which criteria to edit either identification or selection and the advanced copybook selection facility can be invoked. This tutorial will only cover the record selection criteria type.

Option 1 displays the view entry panel



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

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.    . : 2010/05/19
7 Templates    Template and copybook utilities  Time.    . : 03:15
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 1 is View. Type 1 on the command line, and press Enter.

The view entry panel was displayed



```
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 +
Member . . . . . (Blank or pattern for member list)
Volume serial . . . . . (If not cataloged)
Start position . . . . . +
Record limit . . . . . Record sampling _

Copybook or Template:
Data set name . . ADLAB.COPYLIB
Member . . . . . CUST1 (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 2. Previous       - 2. RBA         - Include only selected records
3 3. None           - 3. Record number - Binary mode, reclen 80
4 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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On the view entry panel select edit template and specify 2 for the type then press Enter.

Provide selection criteria



```
Process  Options  Help
-----
File Manager          Record Selection Criteria          Line 1 of 19
Command ==>          Scroll CSR

1 Edit template field attributes and selection

Cmd Con ( Field Name          Op Value          )
<-> - <-----1-----+-----2-----+-----3-----> <-> <-----1-----+-----2-----+-----3----->
*** **** Top of data ****
--- 1 CUST-REC
--- AND 2 CUSTOMER-KEY
--- AND 3 CUST-ID
--- AND 2 NAME
--- AND 2 ACCT-BALANCE          > 1000
--- AND 2 ORDERS-YTD
--- AND 2 ADDR
--- AND 2 CITY
--- AND 2 STATE
--- AND 2 COUNTRY
--- AND 2 MONTH()
--- AND 2 OCCUPATION
F1=Help  F2=Split  F3=Exit  F4=CRetriev  F5=RFi
F7=Up    F8=Down   F9=Swap  F10=Left   F11=Rig
F6=RunTemp
F12=Cancel

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```

Now the Record Selection Criteria panel is displayed. On this panel, a list of fields in the record are displayed on the left side, and on the right side you can specify criteria.

In this example, next to the ACCT-BALANCE field, a greater than sign was entered in the operator column and 1000' was entered in the **Value** field. PF6 will run a temporary template, that is, it will not ask you to save it. Press PF6.

Results from the criteria are displayed



Process	Options	Help
View TSS12.ADLAB.CUST1		Top of 100
Command ==> █		Scroll CSR
		Record AT TOP
		Format TABL
CUST-ID NAME	ACCT-BALANCE	ORDERS-YTD ADDR
#3 #4	#5	#6 #7
AN 1:5 AN 6:17	PD 23:5	BI 28:2 AN 30:20
<--->	<---+---1---+>	<---+> <---+---1---+>
***** **** Top of data ****		
-----		-- 2 Line(s) not selected
000003 02202	Major, Art	1234.56 5 1512 Pine Bluff
-----		-- 6 Line(s) not selected
000010 06900	Bacon, Chris P.	1001.01 0 1134 Rosetta
-----		-- 24 Line(s) not selected
000035 30005	Wynn, Betty-May	8000.08 7 9005 Murphy Road
-----		-- 10 Line(s) not selected
000046 39900	Dewitt, Howdy	15000.50 1 4111 Northside PkWay
000047 40045	Wood, Holly	25000.02 7 90210 Mt. Lee Rd
000048 40909	Burr, Tim	7766.55 0 4111 Northside PkWay
000049 41060	Maugham, Collier	6655.44 3 1000 Atrium Way
000050 43004	Coates, Levon	1000.01 20 229 Riverside Drive
F1=Help	F2=Zoom	F3=Exit
F7=Up	F8=Down	F9=Swap
		F4=CRetriev
		F5=RFind
		F6=RChange
		F10=Left
		F11=Right
		F12=Cancel

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Now the view session is displayed, and it is using the new template. Notice that the record is broken down into the different fields that were defined, it is using the field names that were specified in the template, and it is only showing the records that were selected based on the selection criteria.

Use the shadow command



```
View TSS12.ADI AB.CUST1
Command ==> shad all off
SHAD
***** **** Top of data ****
000003 02202 Major, Art 1234.56 5 1512 Pine Bluff
000010 06900 Bacon, Chris P. 1001.01 0 1134 Rosetta
000035 30005 Wynn, Betty-May 8000.08 7 9005 Murphy Road
000046 39900 Dewitt, Howdy 15000.50 1 4111 Northside PkWay
000047 40045 Wood, Holly 25000.02 7 90210 Mt. Lee Rd
000048 40909 Burr, Tim 7766.55 0 4111 Northside PkWay
000049 41060 Maugham, Collier 6655.44 3 1000 Atrium Way
000050 43004 Coates, Levon 1000.01 20 229 Riverside Drive
000051 45400 Underhill, Doug 11223.34 4 2929 N. Central Ave
000052 46050 Wright, Candace B. 9876.54 4 3100 Smoketree Ct
000053 46400 Waters, I. C. 1234.56 4 296 104th St
000054 46500 Kahn, Ruby 22000.11 0 4700 S. Syracuse
F1=Help F2=Zoom F3=Exit F4=CRetrieve F5=RFind F6=RC
F7=Up F8=Down F9=Swap F10=Left F11=Right F12=Ca
```

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Type the shadow all off command on the command line and press enter. Now all the dash line which File Manager knows as shadow lines have been removed from the current display.

F3 will end the session and not save the template.

That is the end of this section, which described how to create a copybook template.

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