

TEAMWARE SOLUTIONS

MainFrame Development Assignment 1

Group members

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Assignment questions

1. How to create a PDS FILE and PDF MEMBER?

STEPS:

Step 1: Go to ISPF → 3 (Utilities) → 3.2 (Data Set Utility).

Step 2: In Option ===> type A (Allocate new dataset).

Step 3: In the Name field, type your dataset name

Example: GAMA16.TEST.PDS.ASSMNT

Step 4: Fill the important fields (others keep default):

Space units: TRKS

Primary qty: 10

Secondary qty: 5

Directory blocks: 10

Record format: FB

LRECL: 80

DSORG / Type: PDS (You already selected by choosing directory blocks)

Step 5:

Press ENTER, then F3 to save.

Now your PDS file is created.

How to Create a PDS Member

Step 1: Go to ISPF → 3.4 (Data Set List).

Step 2:

Type your PDS name:

GAMA03.TEST.PDS.ASSMNT → Press ENTER

Step 3: On the left of the PDS name, type E (Edit) → Press ENTER

Step 4: You will see a member list screen.

Type your member name, e.g.,

MEMBER1

In the command line type:

A (Add) or simply type the name in the list.

Step 5: Press ENTER → now member opens in EDIT mode.

Type some content and press F3 to exit.

```
Option ==> a

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

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

Enter "/" to select option
/ Confirm Data Set Delete

Other Partitioned, Sequential or VSAM Data Set:
Name . . . 'gama03.test.pds.assmnt'
Volume Serial . . . (If not cataloged, required for option "C")
Data Set Password . . . (If password protected)

F1=Help      F2=Split      F3=Exit      F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel
*DSUTIL
```

```
----- Allocate New Data Set -----
Command ==>

Data Set Name . . . : GAMA03.TEST.PDS.ASSMNT More: +

Management class . . . (Blank for default management class)
Storage class . . . (Blank for default storage class)
Volume serial . . . DEVHD1 (Blank for system default volume) **
Device type . . . (Generic unit or device address) **
Data class . . . (Blank for default data class)
Space units . . . TRKS (BLKS, TRKS, CYLS, KB, MB, BYTES or RECORDS)
Average record unit (M, K, or U)
Primary quantity . . 10 (In above units)
Secondary quantity . 5 (In above units)
Directory blocks . . 10 (Zero for sequential data set) *
Record format . . . FB
Record length . . . 80
Block size . . . 800
Data set name type (LIBRARY, HFS, PDS, LARGE, BASIC, * EXTREQ, EXTPREF or blank)
Extended Attributes (NO, OPT or blank)
Expiration date . . . (YY/MM/DD, YYYY/MM/DD
Enter "/" to select option YY.DDD, YYYY.DDD in Julian form
Allocate Multiple Volumes DDDD for retention period in days or blank)

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

GAMA03.TEST.DAY1.PSFILE2
e GAMA03.TEST.PDS.ASSMNT(member 4)
```

2. How to create a PS FILE?

STEPS:

Step 1: Go to ISPF → 3 (Utilities) → 3.2 (Data Set Utility).

Step 2: In Option ==> type A (Allocate new data set).

Step 3: In the Data Set Name, type the PS file name:

Example: GAMA16.TEST.DAY1.PSFILE2

Step 4: Fill ONLY these important fields (others keep default):

Space units: TRKS

Primary quantity: 5

Record format: FB

Record length (LRECL): 80

Do NOT give directory blocks (Because a PS file does NOT need members)

Step 5: Press ENTER → Then press F3 to save.

```
Option ==> a
Data Set Utility
A Allocate new data set
R Rename entire data set
D Delete entire data set
blank Data set information
C Catalog data set
U Uncatalog data set
S Short data set information
V VSAM Utilities

ISPF Library:
Project . . .
Group . . .
Type . . .
Enter "/" to select option
/ Confirm Data Set Delete

Other Partitioned, Sequential or VSAM Data Set:
Name . . . 'gama03.test.assmnt.psfile'
Volume Serial . . . (If not cataloged, required for option "C")
Data Set Password . . . (If password protected)

F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel
*DSUTIL

mmand ==>
Allocate New Data Set
More:
ta Set Name . . . : GAMA03.TEST.ASSMNT.PSFILE
Management class . . . (Blank for default management class)
Storage class . . . (Blank for default storage class)
Volume serial . . . DEVHD1 (Blank for system default volume) **
Device type . . . (Generic unit or device address) **
Data class . . . (Blank for default data class)
Space units . . . TRKS (BLKS, TRKS, CYLS, KB, MB, BYTES or RECORDS)
Average record unit (M, K, or U)
Primary quantity . . 10 (In above units)
Secondary quantity . 5 (In above units)
Directory blocks . . (Zero for sequential data set) *
Record format . . . FB
Record length . . . 80
Block size . . . 800
Data set name type (LIBRARY, HFS, PDS, LARGE, BASIC, * EXTREQ, EXTPREF or blank)
Extended Attributes (NO, OPT or blank)
Expiration date . . . (YY/MM/DD, YYYY/MM/DD
Enter "/" to select option
Allocate Multiple Volumes
DDDD for retention period in days or blank)

1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
0=Actions F12=Cancel
*DSUTIL
```

3.How to create the Line commands?

Steps:

Step 1:Go to the PDS member and open it in EDIT mode (like your screenshot).

Step 2:On the left side of each line, type the line command you want.

Examples:I → Insert a new line

- D → Delete a line
- R → Repeat (copy) a line
- M → Move lines
- C → Copy lines

```

File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT GAMA03.TEST.PDS.DAY1(MEMBER3) - 01.01 Columns 00001 00072
Command ==> Scroll ==> PAGE
***** Top of Data *****
cc0100 hey
000200 world
0003cc what's
00040a up
mm0410 hey
000420 world
0004mm what's
00080a hello
c00900 public
a01000 alliance
r01010 public
001100 bengauru
001200 bengauru
***** Bottom of Data *****

F1=Help F2=Split F3=Exit F5=Rfind F6=Rchange F7=Up
F8=Down F9=Swap F10=Left F11=Right F12=Cancel
*DSL1ST -DSL1ST

```

4.How to create the Command line Commands?

Steps:

Go to the small box at the left of the line.

Type a command (d, r, a, cc, mm, etc.).

If selecting a block, put the same command on start and end line.

Press Enter to apply.

```

EDIT GAMA03.TEST.PDS.DAY1(MEMBER3) - 01.01 4 CHARS *PUBLIC*
Command ==> find all 'public' Scroll ==> PAGE
***** Top of Data *****
000100 hey
000200 world
000300 what's
000400 up
000401 hey
000402 world
000403 what's
000800 hello
000810 hey
000820 world
000830 what's
000900 public
001000 alliance
001001 public
001010 public
001020 public
001100 bengauru
001200 bengauru
***** Bottom of Data *****

F1=Help F2=Split F3=Exit F5=Rfind F6=Rchange F7=Up
F8=Down F9=Swap F10=Left F11=Right F12=Cancel
*DSL1ST -DSL1ST

```

```
EDIT          GAMA03.TEST.PDS.DAY1(MEMBER3) - 01.01          CHARS 'all' changed
Command ==>      c all 'hey'          Scroll ==> PAGE
***** Top of Data *****
000100  hey
000200  world
000300  what's
000400  up
000401  hey
000402  world
000403  what's
000800  hello
000810  hey
000820  world
000830  what's
000900  people
001000  heyiance
001001  public
001010  public
001020  public
001100  bengauru
001200  bengauru
***** Bottom of Data *****
```

```
EDIT          GAMA03.TEST.PDS.DAY1(MEMBER3) - 01.01          CHARS 'public' changed
Command ==>      change all 'public' 'people'
***** Top of Data *****
000100  hey
000200  world
000300  what's
000400  up
000401  hey
000402  world
000403  what's
000800  hello
000810  hey
000820  world
000830  what's
000900  people
001000  alliance
001001  public
001010  public
001020  public
001100  bengauru
001200  bengauru
***** Bottom of Data *****
```

F1=Help F2=Split F3=Exit F5=Rfind F6=Rchange F7=Up