

# **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 . . .                   Enter "/" to select option
Group . . . : _____             / Confirm Data Set Delete
Type . . . : _____

Other Partitioned, Sequential or VSAM Data Set:
Name . . . . . : 'gama03.test.pds.assmnt' [ ]
Volume Serial . . . : _____      (If not catalogued, 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

-----+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+-----+-----+-----+
Command ===> Allocate New Data Set
More: +
Data Set Name . . . : GAMA03.TEST.PDS.ASSMNT

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, *
                                EXTRREQ, EXTPREF or blank)
Extended Attributes : _____       (NO, OPT or blank)
Expiration date . . . : _____      (YY/MM/DD, YYYY/MM/DD
                                YY.DDD, YYYY.DDD in Julian form
                                DDDD for retention period in days
                                or blank)

Enter "/" to select option
[ ] Allocate Multiple Volumes

F1=Help   F2=Split   F3=Exit   F7=Backward   F8=Forward   F9=Swap
F10=Actions F12=Cancel
G A M A 0 3 . T E S T . D A Y 1 . P S F I L E 2
e          G A M A 0 3 . T E S T . P D S . A S S M N T (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                         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 . . . _____ Enter "/" to select option
Group . . . _____ / Confirm Data Set Delete
Type . . . . _____

Other Partitioned, Sequential or VSAM Data Set:
Name . . . . . : 'gama03.test.assmnt.psfile' [ ]
Volume Serial . . . . . (If not catalogued, 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 ==>                                     More:

ta Set Name . . . : GAMA03.TEST.ASSMNT.PSFILE

nagement class . . . . . _____ (Blank for default management class)
orage class . . . . . _____ (Blank for default storage class)
olume serial . . . . . DEVHDL (Blank for system default volume) **
evice type . . . . . _____ (Generic unit or device address) **
ta class . . . . . _____ (Blank for default data class)
pace units . . . . . TRKS (BLKS, TRKS, CYLS, KB, MB, BYTES
or RECORDS)
verage record unit
primary quantity . . . 10 (M, K, or U)
secondary quantity . . . 5 (In above units)
irectory blocks . . . .
ecord format . . . . . FB (In above units)
ecord length . . . . . 80 (Zero for sequential data set) *
lock size . . . . . 800
ata set name type . . . .
xtended Attributes . . .
xpiration date . . .
ter "/" to select option
Allocate Multiple Volumes

F1=Help      F2=Split      F3=Exit      F7=Backward      F8=Forward      F9=Swap
F10=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      GAMAO3.TEST.PDS.DAY1(MEMBER3) - 01.01          Columns 00001 00072  
Command ==>                                     Scroll ==> PAGE  
***** * ***** * ***** * ***** * ***** * ***** * ***** * ***** * Top of Data * ***** * ***** * ***** * ***** * ***** *  
c00100  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=R find      F6=R change      F7=Up  
F8=Down      F9=Swap       F10=Left     F11=Right     F12=Cancel  
* DSLIST - DSLIST
```

#### 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      GAMAO3.TEST.PDS.DAY1(MEMBER3) - 01.01          4 CHARS 'PUBLIC'  
Command ==> _find ali '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=R find      F6=R change      F7=Up  
F8=Down      F9=Swap       F10=Left     F11=Right     F12=Cancel  
* DSLIST - DSLIST
```

**F1 = Help**    **F2 = Split**    **F3 = Exit**    **F5 = Find**    **F6 = Replace**    **F7 = Up**