

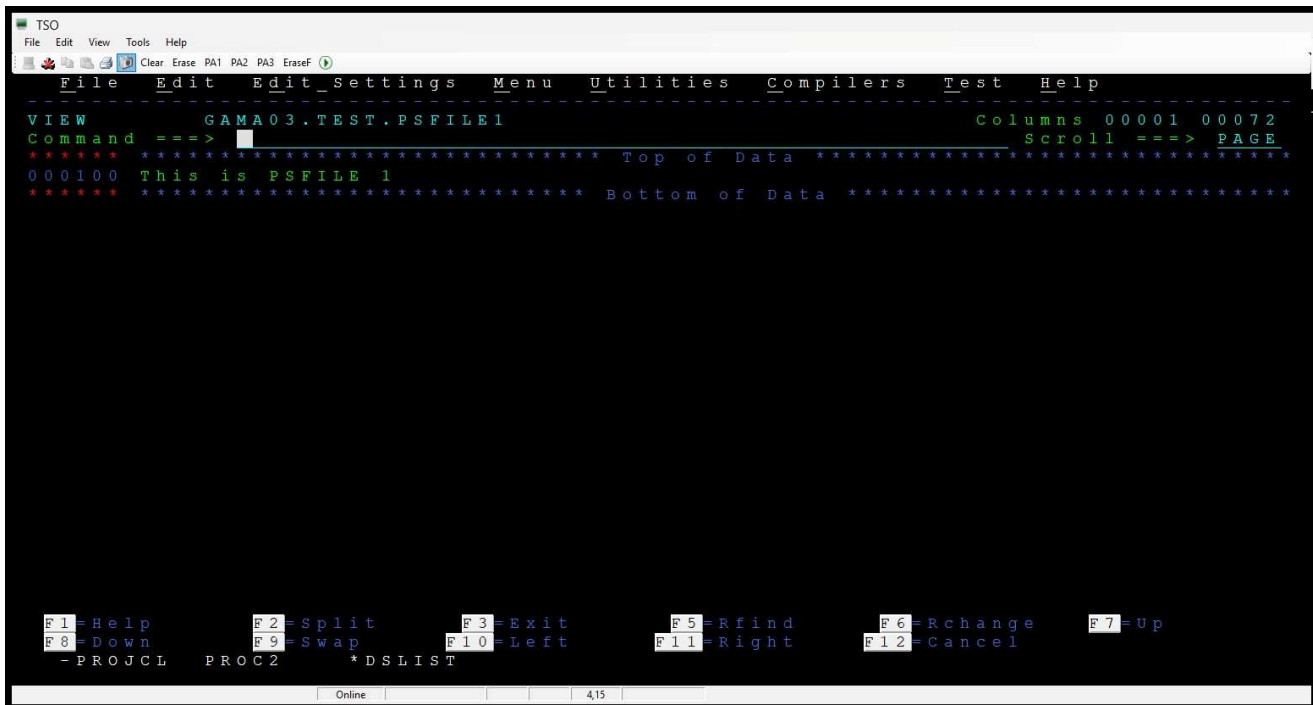
TEAMWARE SOLUTIONS

Mainframe Development Assignment 6 – JCL

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Assignment questions:

1. Input File 1:



The screenshot shows a TSO terminal window with a menu bar at the top: File, Edit, View, Tools, Help. Below the menu bar, there are icons for various functions: Clear, Erase, PA1, PA2, PA3, EraseF, and a green circle with a 'G'. The main display area shows the following text:

```
VIEW          GAMA03.TEST.PSFILE1          Columns 00001 00072
Command ==>                               Scroll ==> PAGE
***** Top of Data *****
000100 This is PSFILE 1
***** Bottom of Data *****
```

At the bottom of the window, there is a legend for function keys:

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

Below the legend, there is a status bar with the text: - PROJCL PROC2 *DSL1ST. At the very bottom, there is a small status bar with the text: Online 4.15.

2. Input File 2:



```
TSO
File Edit View Tools Help
File Edit Edit_Settings Menu Utilities Compilers Test Help
VIEW          GAMA03.TEST.PSFILE3          Columns 00001 00072
Command ==>                               Scroll ==> PAGE
***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG> your edit profile using the command RECOVERY ON.
000100 Hey we merged it successfully!
***** 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
-PROJCL     PROC2      *DSLST

Online 415
```

3. Create a JCL to run:



```
TSO
File Edit View Tools Help
File Edit Edit_Settings Menu Utilities Compilers Test Help
VIEW          GAMA03.JOBLIB(PROCRUN) - 01.02          Columns 00001 00072
Command ==>                               Scroll ==> PAGE
***** Top of Data *****
000100 //GAMA03R JOB MSGLEVEL=(1,1),NOTIFY=&SYSUID,COND=(4,LT)
000110 //MYPROCS JCLLIB ORDER=(GAMA03.PROCLIB)
000120 // SET HLQ=GAMA03
000130 // SET REGION=TEST
000200 //*
000300 //* RUN A COBOL PROGRAM
000600 //*
000700 //STEP01 EXEC PROC2
000900 //STEPLIB DD DSN=GAMA03.LOADLIB,DISP=SHR
001000 //SYSOUT DD SYSOUT=*
001100 //*
***** 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
*PROJCL     -PROC2     DSLST

Online 415
```

4. Create a Procedure with EXCEs:

```
TSO
File Edit View Tools Help
Clear Erase PA1 PA2 PA3 EraseF

File Edit Edit Settings Menu Utilities Compilers Test Help
VIEW GAMA03.PROCLIB(PROC2) - 01.02 Columns 00001 00072
Command ==> Scroll ==> PAGE
***** Top of Data *****
000100 //PROC2 PROC
000400 //*****
000500 //* DELETE A DATA SET USING IEFBR14 UTILITY
000600 //*****
000700 //STEP01 EXEC PGM=IEFBR14
000800 //SYSPRINT DD SYSOUT=*
000900 //SYSOUT DD SYSOUT=*
001000 //SYSDUMP DD SYSOUT=*
001100 //DD1 DD DSN=&HLQ...&REGION..BACKUP,
001200 // DISP=(MOD,DELETE,DELETE),UNIT=SYSDA,
001300 // SPACE=(TRK,(1,1),RLSE)
001400 //*****
001500 //* TO COPY PS FILE ANOTHER PSFILE
001600 //*****
001700 //STEP02 EXEC PGM=IEBGENER
001800 //SYSPRINT DD SYSOUT=*
001900 //SYSOUT DD SYSOUT=*
002000 //SYSDUMP DD SYSOUT=*
002100 //SYSUT1 DD DSN=&HLQ...&REGION..PSFILE1,DISP=SHR
002200 // DD DISP=SHR,DSN=&HLQ...&REGION..PSFILE3
002300 //SYSUT2 DD DSN=&HLQ...&REGION..BACKUP,
002400 // DISP=(NEW,CATLG,DELETE),
002500 // SPACE=(TRK,(1,1),RLSE),
002600 // UNIT=3390,VOL=SER=DEVHD1,
F1=Help F2=Split F3=Exit F5=Rfind F6=Rchange F7=Up
F8=Down F9=Swap F10=Left F11=Right F12=Cancel
- PROJCL PROC2 *DSLST
Online 415
```

```
File Edit View Tools Help
Clear Erase PA1 PA2 PA3 EraseF

File Edit Edit Settings Menu Utilities Compilers Test Help
VIEW GAMA03.PROCLIB(PROC2) - 01.02 Columns 00001 00072
Command ==> Scroll ==> PAGE
002700 // DCB=(DSORG=PS,RECFM=FB,LRECL=80,BLKSIZE=800)
002800 //SYSIN DD DUMMY
002810 //* GDG CODE
002820 //STEP02 EXEC PGM=IEBGENER
002830 //SYSPRINT DD SYSOUT=*
002840 //SYSOUT DD SYSOUT=*
002850 //SYSDUMP DD SYSOUT=*
002860 //SYSUT1 DD DSN=&HLQ...&REGION..BACKUP,DISP=SHR
002870 //SYSUT2 DD DSN=GAMA03.TEST.GDG(+1),
002880 // DISP=(NEW,CATLG,DELETE),
002890 // SPACE=(TRK,(1,1),RLSE),
002900 // UNIT=3390,VOL=SER=DEVHD1,
003000 // DCB=(DSORG=PS,RECFM=FB,LRECL=80,BLKSIZE=800)
003100 //SYSIN DD DUMMY
***** 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
* PROJCL -DSLST
Online 415
```

5. Merged File:

```
TSO
File Edit View Tools Help
Clear Erase PA1 PA2 PA3 EraseF

File Edit Edit Settings Menu Utilities Compilers Test Help
-----
VIEW          GAMA03.TEST.BACKUP                      Columns 00001 00072
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
--MSG> -Warning- The UNDO command is not available until you change
--MSG>          your edit profile using the command RECOVERY ON.
000001 This is PSFILE 1
000002 Hey we merged it successfully!
***** 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
*PROJCL      PROC2          -DSLST

Online | | | | 4,15 |
```

6. GDG Versions:

```
TSO
File Edit View Tools Help
Clear Erase PA1 PA2 PA3 EraseF

Menu Options View Utilities Compilers Help
-----
DSLST - Data Sets Matching GAMA03                      5 - CHARS 'GDG'
Command ==>                                         Scroll ==> PAGE

Command - Enter "/" to select action                Message                Volume
-----
GAMA03.GDG.MODEL                                     STRVL2
GAMA03.ISPF.ISPPROF                                  DEVHD1
GAMA03.ISR8107.BACKUP                                STRVL2
GAMA03.JOBLIB                                         DEVHD1
GAMA03.LOADLIB                                         DEVHD1
GAMA03.PROCLIB                                         DEVHD1
GAMA03.SPFLOG1.LIST                                  STRVL2
GAMA03.SPFTEMP0.CNTL                                 STRVL2
GAMA03.SPUFI                                           DEVHD1
GAMA03.SPUFI.OUT                                       DEVHD1
GAMA03.SRCHFOR.LIST                                   DEVHD1
GAMA03.SUPERCLIST                                     STRVL2
GAMA03.TEST.ASSMNT.PSFILE                             DEVHD1
GAMA03.TEST.BACKUP                                    DEVHD1
GAMA03.TEST.DAY1.PSFILE                               DEVHD1
GAMA03.TEST.DAY6.PSFILE                               DEVHD1
GAMA03.TEST.GDG                                       ???????
GAMA03.TEST.GDG.G0004V00                             DEVHD1
GAMA03.TEST.GDG.G0005V00                             DEVHD1
GAMA03.TEST.GDG.G0006V00                             DEVHD1
GAMA03.TEST.PDS.ASSMNT                                DEVHD1
GAMA03.TEST.PDS.DAY1                                DEVHD1

F1=Help      F2=Split      F3=Exit      F5=Rfind      F7=Up      F8=Down      F9=Swap
F10=Left     F11=Right     F12=Cancel
-PROJCL      PROC2          *DSLST

Online | | | | 8,2 |
```

7. Latest version output verification:



```
File Edit View Tools Help
Clear Erase PA1 PA2 PA3 EraseF
File Edit Edit_Settings Menu Utilities Compilers Test Help
-----
VIEW          GAMA03.TEST.GDG.G0008V00          Columns 00001 00072
Command ==>                                     Scroll ==> PAGE
*****
***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG>         your edit profile using the command RECOVERY ON.
000001 This is PSFILE 1
000002 Hey we merged it successfully!
*****
***** 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

Online 4,15
```