



## JCL

```
//#6002G JOB NOTIFY=#6002
//STEP20 EXEC PGM=IDCAMS
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
DELETE #6002.SYSED.GDG
SET LASTCC=0
DEFINE GDG -
  (NAME (#6002.SYSED.GDG) -
  LIMIT (3) SCRATCH)
//STEP20 EXEC PGM=IEBGENER
//SYSIN DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=#6002.SYSED.PDS(DATA1),DISP=SHR
//SYSUT2 DD DSN=#6002.SYSED.GDG(+1),DISP=(NEW,CATLG,DELETE),
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
//STEP30 EXEC PGM=IEBGENER
//SYSIN DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=#6002.SYSED.GDG(+1),DISP=SHR
//SYSUT2 DD DSN=#6002.SYSED.GDG(+2),DISP=(NEW,CATLG,DELETE),
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
//STEP40 EXEC PGM=IEBGENER
//SYSIN DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=#6002.SYSED.GDG(+2),DISP=SHR
//SYSUT2 DD DSN=#6002.SYSED.GDG(+3),DISP=(NEW,CATLG,DELETE),
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
//STEP50 EXEC PGM=IDCAMS
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
LISTCAT ENT(#6002.SYSED.GDG)
```

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Output

```
//#6002G JOB NOTIFY=#6002
//STEP20 EXEC PGM=IDCAMS
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
//STEP20 EXEC PGM=IEBGENER
//SYSIN DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=#6002.SYSED.PDS(DATA1),DISP=SHR
//SYSUT2 DD DSN=#6002.SYSED.GDG(+1),DISP=(NEW,CATLG,DELETE),
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
//STEP30 EXEC PGM=IEBGENER
//SYSIN DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=#6002.SYSED.GDG(+1),DISP=SHR
//SYSUT2 DD DSN=#6002.SYSED.GDG(+2),DISP=(NEW,CATLG,DELETE),
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
//STEP40 EXEC PGM=IEBGENER
//SYSIN DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=#6002.SYSED.GDG(+2),DISP=SHR
//SYSUT2 DD DSN=#6002.SYSED.GDG(+3),DISP=(NEW,CATLG,DELETE),
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
//STEP50 EXEC PGM=IDCAMS
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
/*
```

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```

1 // #6002G JOB NOTIFY=#6002
2 //STEP20 EXEC PGM=IDCAMS
3 //SYSPRINT DD SYSOUT=*
4 //SYSIN DD *
5 //STEP20 EXEC PGM=IEBGENER
6 //SYSIN DD DUMMY
7 //SYSPRINT DD SYSOUT=*
8 //SYSUT1 DD DSN=#6002.SYSED.PDS(DATA1),DISP=SHR
9 //SYSUT2 DD DSN=#6002.SYSED.GDG(+1),DISP=(NEW,CATLG,DE
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
10 //STEP30 EXEC PGM=IEBGENER
11 //SYSIN DD DUMMY
12 //SYSPRINT DD SYSOUT=*
13 //SYSUT1 DD DSN=#6002.SYSED.GDG(+1),DISP=SHR
14 //SYSUT2 DD DSN=#6002.SYSED.GDG(+2),DISP=(NEW,CATLG,DE
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
15 //STEP40 EXEC PGM=IEBGENER
16 //SYSIN DD DUMMY
17 //SYSPRINT DD SYSOUT=*
18 //SYSUT1 DD DSN=#6002.SYSED.GDG(+2),DISP=SHR
19 //SYSUT2 DD DSN=#6002.SYSED.GDG(+3),DISP=(NEW,CATLG,DE
// UNIT=SYSDA,
// DCB=(LRECL=80,RECFM=FB,BLKSIZE=0),
// SPACE=(TRK,1)
20 //STEP50 EXEC PGM=IDCAMS
21 //SYSPRINT DD SYSOUT=*
22 //SYSIN DD *

```

```

TSS7000I #6005 Last-Used 18 Jun 09 08:14 System=5181 Facility=TSO
TSS7001I Count=01252 Mode=Impl Locktime=None Name=INSTRUCTOR5
IEF236I ALLOC. FOR #6002G STEP20
IEF237I JES3 ALLOCATED TO SYSPRINT
IEF237I JES3 ALLOCATED TO SYSIN
IEF142I #6002G STEP20 - STEP WAS EXECUTED - COND CODE 0008
IEF285I #6005.#6002G.JOB51819.D000000B.? SYSOUT
IEF285I #6005.#6002G.JOB51819.D0000009.? SYSIN
IEF373I STEP/STEP20 /START 2009169.1344
IEF374I STEP/STEP20 /STOP 2009169.1344 CPU 0MIN 00.01SEC SRB 0MIN 00.00S
IEF236I ALLOC. FOR #6002G STEP20
IEF237I DMY ALLOCATED TO SYSIN
IEF237I JES3 ALLOCATED TO SYSPRINT
IGD103I SMS ALLOCATED TO DDNAME SYSUT1
IGD101I SMS ALLOCATED TO DDNAME (SYSUT2 )
DSN (#6002.SYSED.GDG.G0001V00 )
STORCLAS (WRKSTOR) MGMTCLAS (MCWRKSTD) DATACLAS ( )
VOL SER NOS= WRK001

```

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**z/OS JCL**

**Workshop 6 - Exercise 3**

```

IEF142I #6002G STEP20 - STEP WAS EXECUTED - COND CODE 0000
IEF285I #6005.#6002G.JOB51819.D000000C.? SYSOUT
IGD104I #6002.SYSED.PDS RETAINED, DDNAME=SYSUT1
IGD107I #6002.SYSED.GDG.G0001V00 ROLLED IN, DDNAME=SYSUT2
IEF373I STEP/STEP20 /START 2009169.1344
IEF374I STEP/STEP20 /STOP 2009169.1344 CPU 0MIN 00.02SEC SRB 0MIN 00.00S
IEF236I ALLOC. FOR #6002G STEP30
IEF237I DMY ALLOCATED TO SYSIN
IEF237I JES3 ALLOCATED TO SYSPRINT
IGD103I SMS ALLOCATED TO DDNAME SYSUT1
IGD101I SMS ALLOCATED TO DDNAME (SYSUT2 )
        DSN (#6002.SYSED.GDG.G0002V00 )
        STORCLAS (WRKSTOR) MGMTCLAS (MCWRKSTD) DATACLAS ( )
        VOL SER NOS= WRK000
IEF142I #6002G STEP30 - STEP WAS EXECUTED - COND CODE 0000
IEF285I #6005.#6002G.JOB51819.D000000D.? SYSOUT
IGD104I #6002.SYSED.GDG.G0001V00 RETAINED, DDNAME=SYSUT1
IGD107I #6002.SYSED.GDG.G0002V00 ROLLED IN, DDNAME=SYSUT2
IEF373I STEP/STEP30 /START 2009169.1344
IEF374I STEP/STEP30 /STOP 2009169.1344 CPU 0MIN 00.02SEC SRB 0MIN 00.00S
IEF236I ALLOC. FOR #6002G STEP40
IEF237I DMY ALLOCATED TO SYSIN
IEF237I JES3 ALLOCATED TO SYSPRINT
IGD103I SMS ALLOCATED TO DDNAME SYSUT1
IGD101I SMS ALLOCATED TO DDNAME (SYSUT2 )
        DSN (#6002.SYSED.GDG.G0003V00 )
        STORCLAS (WRKSTOR) MGMTCLAS (MCWRKSTD) DATACLAS ( )
        VOL SER NOS= WRK015
IEF142I #6002G STEP40 - STEP WAS EXECUTED - COND CODE 0000
IEF285I #6005.#6002G.JOB51819.D000000E.? SYSOUT
IGD104I #6002.SYSED.GDG.G0002V00 RETAINED, DDNAME=SYSUT1
IGD107I #6002.SYSED.GDG.G0003V00 ROLLED IN, DDNAME=SYSUT2
IEF373I STEP/STEP40 /START 2009169.1344
IEF374I STEP/STEP40 /STOP 2009169.1344 CPU 0MIN 00.02SEC SRB 0MIN 00.00S
IEF236I ALLOC. FOR #6002G STEP50
IEF237I JES3 ALLOCATED TO SYSPRINT
IEF237I JES3 ALLOCATED TO SYSIN
IEF142I #6002G STEP50 - STEP WAS EXECUTED - COND CODE 0000
IEF285I #6005.#6002G.JOB51819.D000000F.? SYSOUT
IEF285I #6005.#6002G.JOB51819.D000000A.? SYSIN
IEF373I STEP/STEP50 /START 2009169.1344
IEF374I STEP/STEP50 /STOP 2009169.1344 CPU 0MIN 00.01SEC SRB 0MIN 00.00S
IEF375I JOB/#6002G /START 2009169.1344
IEF376I JOB/#6002G /STOP 2009169.1344 CPU 0MIN 00.08SEC SRB 0MIN 00.00S
1IDCAMS SYSTEM SERVICES TIME: 13:44:3
0

```

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## z/OS JCL

## Workshop 6 - Exercise 3

```

DELETE #6002.SYSED.GDG                                0002210
0IDC3012I ENTRY #6002.SYSED.GDG NOT FOUND
IDC3009I ** VSAM CATALOG RETURN CODE IS 8 - REASON CODE IS IGG0CLEG-42
IDC0551I ** ENTRY #6002.SYSED.GDG NOT DELETED
0IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 8
0
  SET LASTCC=0                                        0002220

  DEFINE GDG -                                       0002300
    (NAME(#6002.SYSED.GDG) -                          0002400
    LIMIT(3) SCRATCH)                                0002500
0IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0
0
0IDC0002I IDCAMS PROCESSING COMPLETE. MAXIMUM CONDITION CODE WAS 8
1DATA SET UTILITY - GENERATE
WER276B SYSDIAG= 0, 9694428, 9694428, 11519025
WER164B 6,900K BYTES OF VIRTUAL STORAGE AVAILABLE, MAX REQUESTED,
WER164B 44K BYTES RESERVE REQUESTED, 608K BYTES USED
WER146B 20K BYTES OF EMERGENCY SPACE ALLOCATED
WER108I SYSUT1 : RECFM=FB ; LRECL= 80; BLKSIZE= 27920
WER110I SYSUT2 : RECFM=FB ; LRECL= 80; BLKSIZE= 27920
WER410B 5,868K BYTES OF VIRTUAL STORAGE AVAILABLE ABOVE THE 16MEG LINE,
WER410B 0 BYTES RESERVE REQUESTED, 500K BYTES USED
WER211B SYNCSEMF CALLED BY SYNCSEMT; RC=0000
WER449I SYNCSEMT GLOBAL DSM SUBSYSTEM ACTIVE
WER416B SYSUT1 : EXCP'S=2,UNIT=3390,DEV=27A3,CHP=2DAD32B2,VOL=WRK00E
WER416B SYSUT2 : EXCP'S=1,UNIT=3390,DEV=2368,CHP=2DAD32B2,VOL=WRK001
WER416B TOTAL OF 3 EXCP'S ISSUED FOR COPYING
WER054I RCD IN 3, OUT 3
WER169I RELEASE 1.3 BATCH 0477 TPF LEVEL 1.0
WER052I END SYNCSEMT - #6002G,STEP20,,DIAG=A200,6000,8A97,EC57,EA7A,4C8B,0240
SYNCSEMT COPY FEATURE CALLED - RC = 0
1DATA SET UTILITY - GENERATE
WER276B SYSDIAG= 0, 9694428, 9694428, 11519025
WER164B 6,900K BYTES OF VIRTUAL STORAGE AVAILABLE, MAX REQUESTED,
WER164B 44K BYTES RESERVE REQUESTED, 608K BYTES USED
WER146B 20K BYTES OF EMERGENCY SPACE ALLOCATED
WER108I SYSUT1 : RECFM=FB ; LRECL= 80; BLKSIZE= 27920
WER110I SYSUT2 : RECFM=FB ; LRECL= 80; BLKSIZE= 27920
WER410B 5,868K BYTES OF VIRTUAL STORAGE AVAILABLE ABOVE THE 16MEG LINE,
WER410B 0 BYTES RESERVE REQUESTED, 500K BYTES USED
WER211B SYNCSEMF CALLED BY SYNCSEMT; RC=0000
WER449I SYNCSEMT GLOBAL DSM SUBSYSTEM ACTIVE
WER416B SYSUT1 : EXCP'S=1,UNIT=3390,DEV=2368,CHP=2DAD32B2,VOL=WRK001
WER416B SYSUT2 : EXCP'S=1,UNIT=3390,DEV=2367,CHP=2DAD32B2,VOL=WRK000
WER416B TOTAL OF 2 EXCP'S ISSUED FOR COPYING
WER054I RCD IN 3, OUT 3
WER169I RELEASE 1.3 BATCH 0477 TPF LEVEL 1.0

```

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## Workshop 6 - Exercise 3

```

WER052I  END SYNCSORT - #6002G,STEP30,,DIAG=8800,4284,A097,687D,C07A,6CAB,2240
SYNCSORT COPY FEATURE CALLED - RC = 0
1DATA SET UTILITY - GENERATE
  WER276B  SYSDIAG= 0, 9694428, 9694428, 11519025
  WER164B  6,900K BYTES OF VIRTUAL STORAGE AVAILABLE, MAX REQUESTED,
  WER164B    44K BYTES RESERVE REQUESTED, 608K BYTES USED
  WER146B  20K BYTES OF EMERGENCY SPACE ALLOCATED
  WER108I  SYSUT1   : RECFM=FB   ; LRECL=    80; BLKSIZE= 27920
  WER110I  SYSUT2   : RECFM=FB   ; LRECL=    80; BLKSIZE= 27920
  WER410B  5,868K BYTES OF VIRTUAL STORAGE AVAILABLE ABOVE THE 16MEG LINE,
  WER410B    0 BYTES RESERVE REQUESTED, 500K BYTES USED
  WER211B  SYNCSEMF CALLED BY SYNCSORT; RC=0000
  WER449I  SYNCSORT GLOBAL DSM SUBSYSTEM ACTIVE
  WER416B  SYSUT1   : EXCP'S=1,UNIT=3390,DEV=2367,CHP=2DAD32B2,VOL=WRK000
  WER416B  SYSUT2   : EXCP'S=1,UNIT=3390,DEV=2BBE,CHP=6CEC2AAA,VOL=WRK015
  WER416B  TOTAL OF 2 EXCP'S ISSUED FOR COPYING
  WER054I  RCD IN    3, OUT    3
  WER169I  RELEASE 1.3 BATCH 0477 TPF LEVEL 1.0
  WER052I  END SYNCSORT - #6002G,STEP40,,DIAG=AA00,600C,8295,E05F,E27A,4CA3,0240
SYNCSORT COPY FEATURE CALLED - RC = 0
1IDCAMS  SYSTEM SERVICES                                     TIME: 13:44:3
0
  LISTCAT ENT(#6002.SYSED.GDG)                               0030000
0GDG BASE ----- #6002.SYSED.GDG
  IN-CAT --- ICFCAT.USRCAT05
0  NONVSAM ----- #6002.SYSED.GDG.G0001V00
  IN-CAT --- ICFCAT.USRCAT05
0  NONVSAM ----- #6002.SYSED.GDG.G0002V00
  IN-CAT --- ICFCAT.USRCAT05
0  NONVSAM ----- #6002.SYSED.GDG.G0003V00
  IN-CAT --- ICFCAT.USRCAT05
1IDCAMS  SYSTEM SERVICES                                     TIME: 13:44:3
0          THE NUMBER OF ENTRIES PROCESSED WAS:
          AIX -----0
          ALIAS -----0
          CLUSTER -----0
          DATA -----0
          GDG -----1
          INDEX -----0
          NONVSAM -----3
          PAGESPACE -----0
          PATH -----0
          SPACE -----0
          USERCATALOG -----0
          TAPELIBRARY -----0
          TAPEVOLUME -----0
          TOTAL -----4
0          THE NUMBER OF PROTECTED ENTRIES SUPPRESSED WAS 0
0IDC0001I FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS 0
0
0IDC0002I IDCAMS PROCESSING COMPLETE. MAXIMUM CONDITION CODE WAS 0

```

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