

#1)

Tip : JCL and PROC

i) Restart proc with in proc

Stepname inside first proc.Step name inside second proceg., **Proc1STEP.Proc2STEP**

ii) To identify a private library or a system library, from which INCLUDE groups and JCL procedures are to be retrieved

The jcl will look like below

```
//CATWKL7A JOB '261114-3-90492-263107','MURALI',CLASS=B,
//* RESTART=CATWKL7A.SWW240,
//* RESTART=CATWKL7A.SWW300E,
// RESTART=CATWKL7A.SWW360,
// MSGCLASS=R, TIME=90, NOTIFY=&SYSUID, REGION=0M
// OPTION JCLLIB ORDER=CSS8.V7F.RCNTL
//JOBLIB INCLUDE MEMBER=JOBLIBD
/*JOBPARM ROOM=3D2, PROCLIB=PROC12
/*ROUTE PRINT U90
```

The DDname(OPTION) is optional for this statement.

Another form for JCLLIB,

//PROCS JCLLIB ORDER=(TEST.PROCLIB1,TEST.PROBLIB2,SYS2.PROCLIB)

iii)) Overriding Concatenated DD's

Suppose you have the following statements in a JCL PROC

```
//STEP1 EXEC PGM=XYZ,
// REGION=100K
//SYSOUT DD SYSOUT=A
//FILEIN DD DSN=FIRSTQUAL.SECONDQUAL.THIRDQUAL.ONE, DISP=OLD
//DATA1 DD DSN=FIRSTQUAL.SECONDQUAL.THIRDQUAL.TWO, DISP=OLD
// DD DSN=FIRSTQUAL.SECONDQUAL.THIRDQUAL.THREE, DISP=THREE
```

Overriding first is like a normal override.

Following statements show how to override the second and not the first.

```
//STEP1.DATA1 DD ← just DD will be there and no DS name.
// DD DSN=FIRSTQUAL.SECONDQUAL.THIRDQUAL.FOUR, DISP=SHR
```

v) Nullifying a parameter means overriding it and not giving any value

```
//STEP1.DATA1 DD DISP= ← will nullify
```

vi) IEHLIST will list the contents of a library directory , and list the VTOC of a volume

```
//SYSIN DD *
LISPDS library name, VOL
/*
```

```
//SYSIND DD *
```

LISTVTOC VOL=SER, FORMAT

/*

vii) Continuation of JCL statements should be between 4-16

viii) JES2 and JES3 statements will be given after JOB statement but before the first EXEC

viii) If you leave DISP as whole,
Default is New, Delete, Delete

DISP=OLD/SHR means OLD/SHR,Keep, Keep

ix) For TAPE DSN, if you want to give an expiration date

// LABEL=EXPDT=00031

x) REFDD, is used to reference the DCB of a dataset referenced before

```
//SYSUT2      DD DSN=X.Y.Z,
//              DISP=(NEW,CATLG)
//              UNIT=,
//              REFDD=SYSUT1
```

iv) *To document a job or proc*

JOB NAME

Procs executed:-

1)

Steps:

No of Control cards and names used in proc:-

2)

Steps:

No of Control cards and names used in proc:-

Proc Description

Stepname : Executed program name : Actual program name : Type :

Step Description

Control card used/Type

Control card description

v) *To find out the NODE no of the JES*

Solution-1

=S;h;prefix jobname

go to JESMSG LG

FIND 'N O D E' -----> available in first line itself;

This will find out the following line

N O D E D V 1 J E S 2

DV1JES2 -- is the node name

(or)

Solution-2

```
=S;LOG
F 'ENDED AT'
This will find out the following line
ENDED AT DV1JES2',LOGON,
DV1JES2 -- is the node name
```

vi) To Submit a job from one JES to another JES

Code the XEQ parameter in the JCL. The below jcl would be submitted from one jes but will be executed in another jes. Here DV1JES2 is the node-name of the JES2 where this JCL would be submitted. To get the node-name of the jes, follow the procedure given in v)

```
/*XEQ node-name
```

Model JCL

```
//WELZ492S JOB '266011-3-90492-264063','MURALI - ISSLOADB',
// CLASS=B,MSGCLASS=R,NOTIFY=WELZ492,TIME=60
/*XEQ DV1JES2
/*JOBPARM PROCLIB=PROC00
//JOBLIB INCLUDE MEMBER=JOBLIB
//*****
//ISSTLO11 EXEC ISSTLO11,
// LLIB='PRD.BAT.LOADLIB',
// MBR=IMS155,
// MIN=5,
// PSB=ISSNDBG0,
// SEC=0,
// SPACED='(CYL,(1,1),RLSE)',
// SPACEI='(CYL,(1,1),RLSE)',
// TC=T,
// VER=01
//G.SYSIPT DD DSN=DTD.ISS.D1000,
// DISP=OLD
//G.SYSRDR DD DSN=PRD.IMSCTL(PCB01),
// DISP=SHR
//RG1006.DFSURIDX DD SPACE=(CYL,(1,3))
```

#2)

Problem : JCL - Need to give the LABEL when we are dealing with TAPE datasets

Snap shot : None

Solution : Try using BLP parameter
BLP - bypass label parameter

Eg : //MASTER DD UNIT=TAPE,VOL=SER=T55281,LABEL(2,BLP)
here 2 is data set sequence for a dataset on a tape should be calculated as ((file number *3)-1)

#3)

Problem : JCL - To copy foreign tapes

Snap shot : None

Solution : Follow the below format, it may vary with shop installation

Eg : //MASTER DD UNIT=TAPE,VOL=SER=T55281,LABEL(,,EXPDT=98000)
Here T55281 is considered to be foreign tape.

#4)

Problem : JCL - To copy datasets into same TAPE VOLUME

Snap shot : None

Solution : We wanted to copy the datasets into same TAPE VOLUME, after incrementing the LABEL (ie sequence number of the datasets). We followed the below method.

```
//COPY1 EXEC PGM=IEBGENER
//SYSUT1 DD DSN=MED.R365.MCP.WK14Y2K.CDIAG,DISP=SHR
//SYSUT2 DD DSN=CSS8.V7F.MED.MCP.WK14Y2K.CDIAG,
// DISP=(NEW,CATLG,DELETE),
// DCB=(*.SYSUT1),
// UNIT=TAPE,
// VOLUME=(PRIVATE,RETAIN)
//SYSPRINT DD SYSOUT=*
//SYSIN DD DUMMY
//*****
//COPY2 EXEC PGM=IEBGENER
//SYSUT1 DD DSN=MED.R365.MCP.WK14Y2K.CDUPE,
// DISP=SHR
//SYSUT2 DD DSN=CSS8.V7F.MED.MCP.WK14Y2K.CDUPE,
// DISP=(NEW,CATLG,DELETE),
// DCB=(*.SYSUT1),
// UNIT=TAPE,
// VOL=REF=*.COPY1.SYSUT2,
// LABEL=(2,SL)
//SYSPRINT DD SYSOUT=*
//SYSIN DD DUMMY
//*****
```