

Jol/Oscar - Open System Command and Retrieval Language

Simplified Jol/Oscar Language

```
Payroll: Job class C 1000 k;
Exec Validate Input.Trans, Trans.Action(+1); /* Validate Transactions */
if Validate=0
then do;
  Sort transaction(+1) to Sorted.Trans.Actions(+1)
  Fields(10,10,CH,A);
  Exec Update Payroll.Master(0), Sorted.Trans.Action(+1),
  Payroll.Master(+1);
  If Update = 0
  then do;
    Catalog Payroll.Master(+1), Sorted.Trans.Action(+1);
    Submit Job2;
  end;
end;
else Stop 'Error in PAYROLL Job';
```

Existing IBM Job Control Language

```
//PAYROLL      JOB      CLASS=C,REGION=1000K
//VALIDATE     EXEC      PGM=VALIDATE
//SYSPRINT     DD        SYSOUT=*
//INTRANS      DD        DSN=INPUT.TRANS,DISP=SHR
//OUTTRANS     DD        DSN=TRANS.ACTIONS(+1),DISP=(NEW,PASS),
//              DCB=(RECFM=VB,LRECL=200,BLKSIZE=13030),
//              SPACE=(CYL,(10,10),RLSE),
//              UNIT=SYSDA,VOL=SER=WORK01
//SORT         EXEC      PGM=SORT,COND=(VALIDATE,NE,0)
//SYSOUT       DD        SYSOUT=*
//SORTWK01     DD        UNIT=SYSDA,SPACE=(CYL,20)
//SORTWK02     DD        UNIT=SYSDA,SPACE=(CYL,20)
//SORTWK03     DD        UNIT=SYSDA,SPACE=(CYL,20)
//SORTIN       DD        DSN=TRANS.ACTIONS(+1),DISP=(SHR,PASS)
//SORTOUT      DD        DSN=SORTED.TRANS.ACTIONS(+1),
//              DISP=(NEW,PASS),
//              DCB=(RECFM=VB,LRECL=200,BLKSIZE=13030),
//              SPACE=(CYL,(10,10),RLSE),
//              UNIT=SYSDA,VOL=SER=WORK01
//SYSIN        DD        *
//              SORT FIELDS=(10,10,CH,A)
//UPDATE       EXEC      PGM=UPDATE,COND=(VALIDATE,NE,0)
//SYSPRINT     DD        SYSOUT=*
//MASTIN       DD        DSN=PAYROLL.MASTER(0),DISP=SHR
//TRANS        DD        DSN=TRANS.ACTION(+1),DISP=(SHR,PASS)
//MASTOUT      DD        DSN=PAYROLL.MASTER(+1),DISP=(NEW,PASS),
//              DCB=(RECFM=VB,LRECL=200,BLKSIZE=13030),
//              SPACE=(CYL,(10,10),RLSE),
//              UNIT=SYSDA,VOL=SER=WORK01
//CATLG        EXEC      PGM=IEFBR14,COND=(UPDATE,NE,0)
//DUMMY1       DD        DSN=PAYROLL.MASTER(+1),DISP=(SHR,CATLG)
//DUMMY2       DD        DSN=SORTED.TRANS.ACTIONS(+1),
//              DISP=(SHR,CATLG)
//SUBMIT       EXEC      PGM=IEBGENER,COND=(UPDATE,NE,0)
//SYSPRINT     DD        SYSOUT=*
//SYSUT1       DD        DSN=SUBMIT.LIBRARY(JOB2),DISP=SHR
//SYSUT2       DD        SYSOUT=(*,INTRDR)
//SYSIN        DD        DUMMY
//ERRMSG       EXEC      PGM=SHOWERR,COND=(VALIDATE,EQ,0),
//              PARM='Error in PAYROLL Job'
```