**Addition of two numbers**

IDENTIFICATION DIVISION.

PROGRAM-ID. ADDPGM1.

ENVIRONMENT DIVISION.

DATA DIVISION.

WORKING-STORAGE SECTION.

77 WS-NUM1 PIC 9(3).

77 WS-NUM2 PIC 9(3).

77 WS-RESU PIC 9(4).

77 WS-LEN PIC S9(4) COMP.

COPY DFHAID.

COPY DFHBMSCA.

COPY ADDSET1.

PROCEDURE DIVISION.

MAIN-PARA.

MOVE LOW-VALUES TO ADDMAP1I.

MOVE LOW-VALUES TO ADDMAP1O.

EXEC CICS

SEND MAP('ADDMAP1')

MAPSET('ADDSET1')

ERASE

END-EXEC.

MOVE -30 TO WS-LEN.

EXEC CICS RECEIVE

MAP('ADDMAP1')

MAPSET('ADDSET1')

INTO(ADDMAP1I)

END-EXEC.

MOVE NUM1I TO WS-NUM1.

MOVE NUM2I TO WS-NUM2.

COMPUTE WS-RESU = WS-NUM1 + WS-NUM2.

MOVE WS-RESU TO RESUO.

MOVE 200 TO WS-LEN.

EXEC CICS

SEND MAP('ADDMAP1')

MAPSET('ADDSET1')

FROM(ADDMAP1O)

END-EXEC.

EXEC CICS

RETURN

END-EXEC.

**Read a Record from file and Delete**

IDENTIFICATION DIVISION.

PROGRAM-ID. INDDELT.

ENVIRONMENT DIVISION.

DATA DIVISION.

WORKING-STORAGE SECTION.

01 EMP-REC.

05 EMP-NO PIC 9(4).

05 EMP-NAME PIC X(10).

05 EMP-ADDR PIC X(10).

COPY DFHAID.

COPY DFHBMSCA.

COPY EMPSET1.

77 WS-LEN PIC S9(4) COMP VALUE ZERO.

PROCEDURE DIVISION.

MOVE LOW-VALUES TO EMPMAP1I.

MOVE LOW-VALUES TO EMPMAP1O.

EXEC CICS SEND

MAP('EMPMAP1')

MAPSET('EMPSET1')

ERASE

END-EXEC.

EXEC CICS RECEIVE

MAP('EMPMAP1')

MAPSET('EMPSET1')

INTO(EMPMAP1I)

END-EXEC.

MOVE ENOI TO EMP-NO.

EXEC CICS READ

DATASET('INDFILE')

INTO(EMP-REC)

RIDFLD(EMP-NO)

UPDATE

END-EXEC.

MOVE EMP-NO TO ENOO.

MOVE EMP-NAME TO ENAMO.

MOVE EMP-ADDR TO EADDRO.

MOVE 'READ SUCCESSFUL' TO MSGO.

EXEC CICS SEND

MAP('EMPMAP1')

MAPSET('EMPSET1')

FROM(EMPMAP1O)

ERASE

END-EXEC.

EXEC CICS RECEIVE

MAP('EMPMAP1')

MAPSET('EMPSET1')

INTO(EMPMAP1I)

END-EXEC.

MOVE ENOI TO EMP-NO.

MOVE ENAMI TO EMP-NAME.

MOVE EADDRI TO EMP-ADDR.

EXEC CICS DELETE

DATASET('INDFILE')

END-EXEC.

MOVE 'DELETE SUCCESSFUL' TO MSGO.

EXEC CICS SEND

MAP('EMPMAP1')

MAPSET('EMPSET1')

ERASE

END-EXEC.

EXEC CICS RETURN

END-EXEC.

**REWRITE File program**

IDENTIFICATION DIVISION.

PROGRAM-ID. INDUPDT.

ENVIRONMENT DIVISION.

DATA DIVISION.

WORKING-STORAGE SECTION.

01 EMP-REC.

05 EMP-NO PIC 9(4).

05 EMP-NAME PIC X(10).

05 EMP-ADDR PIC X(10).

COPY DFHAID.

COPY DFHBMSCA.

COPY EMPSET1.

77 WS-LEN PIC S9(4) COMP VALUE ZERO.

PROCEDURE DIVISION.

MOVE LOW-VALUES TO EMPMAP1I.

MOVE LOW-VALUES TO EMPMAP1O.

EXEC CICS SEND

MAP('EMPMAP1')

MAPSET('EMPSET1')

ERASE

END-EXEC.

EXEC CICS RECEIVE

MAP('EMPMAP1')

MAPSET('EMPSET1')

INTO(EMPMAP1I)

END-EXEC.

MOVE ENOI TO EMP-NO.

EXEC CICS READ

DATASET('INDFILE')

INTO(EMP-REC)

RIDFLD(EMP-NO)

UPDATE

END-EXEC.

MOVE EMP-NO TO ENOO.

MOVE EMP-NAME TO ENAMO.

MOVE EMP-ADDR TO EADDRO.

MOVE 'READ SUCCESSFUL' TO MSGO.

EXEC CICS SEND

MAP('EMPMAP1')

MAPSET('EMPSET1')

FROM(EMPMAP1O)

ERASE

END-EXEC.

EXEC CICS RECEIVE

MAP('EMPMAP1')

MAPSET('EMPSET1')

INTO(EMPMAP1I)

END-EXEC.

MOVE ENOI TO EMP-NO.

MOVE ENAMI TO EMP-NAME.

MOVE EADDRI TO EMP-ADDR.

EXEC CICS REWRITE

DATASET('INDFILE')

FROM(EMP-REC)

END-EXEC.

MOVE 'REWRITE SUCCESSFUL' TO MSGO.

EXEC CICS SEND

MAP('EMPMAP1')

MAPSET('EMPSET1')

ERASE

END-EXEC.

EXEC CICS RETURN

END-EXEC.