**TRANSACTION DETAILS BATCH PROCESSING CODE**

IDENTIFICATION DIVISION.

PROGRAM-ID. REPORT1.

ENVIRONMENT DIVISION.

INPUT-OUTPUT SECTION.

FILE-CONTROL.

SELECT OUTFILE ASSIGN TO DD1

ORGANIZATION IS SEQUENTIAL

ACCESS IS SEQUENTIAL

FILE STATUS IS WS-FS.

DATA DIVISION.

FILE SECTION.

FD OUTFILE.

01 OUT-REC-FILE.

02 OUT-REC PIC X(80).

WORKING-STORAGE SECTION.

EXEC SQL

INCLUDE SQLCA

END-EXEC.

EXEC SQL

INCLUDE TRANS

END-EXEC.

EXEC SQL

DECLARE C1 CURSOR

FOR

SELECT NAME, DESCRIPTION, AMT

FROM TRANS

WHERE ACNTNUM = 678970064

END-EXEC.

77 I PIC 9(2) VALUE 1.

77 WS-FS PIC 9(2).

01 WS-DATE.

02 YY PIC 9(2).

02 MM PIC 9(2).

02 DD PIC 9(2).

01 BR-LINE.

02 BR-LINEX PIC X(1) OCCURS 80 TIMES VALUE '\*'.

01 MAIN-HEADING.

02 FILLER PIC X(26) VALUE SPACES.

02 HEAD PIC X(19) VALUE 'STUDENT LOAN SYSTEM'.

02 FILLER PIC X(17) VALUE SPACES.

02 DATET PIC X(7) VALUE 'DATE : '.

02 RP-DATE.

03 DD PIC 9(2).

03 FILLER PIC X VALUE '/'.

03 MM PIC 9(2).

03 FILLER PIC X VALUE '/'.

03 YY PIC 9(2).

02 FILLER PIC X(8) VALUE SPACES.

01 REPORT-HEADING.

02 TOPIC PIC X(53).

02 FILLER PIC X(9) VALUE SPACES.

02 PAGET PIC X(7) VALUE 'PAGE : '.

02 RP-PAGE PIC 99 VALUE 0.

01 COLUMN-HEADING.

02 FILLER PIC X(5) VALUE SPACES.

02 HEAD1 PIC X(14) VALUE 'ACCOUNT NUMBER'.

02 FILLER PIC X(9) VALUE SPACES.

02 HEAD2 PIC X(13) VALUE 'CUSTOMER NAME'.

02 FILLER PIC X(16) VALUE SPACES.

02 HEAD3 PIC X(11) VALUE 'LOAN AMOUNT'.

01 FOOTER-HEADING.

02 FILLER PIC XX VALUE SPACES.

02 FOOT-TOPIC PIC X(33).

02 CUST-CNT PIC 99 VALUE 0.

02 FILLER PIC X(7).

02 TOT-BALT PIC X(16) VALUE 'TOTAL BALANCE : '.

02 TOT-BAL PIC 9(9).99 .

01 OVERALL-AMOUNT-HEADING.

02 FILLER PIC X(21) VALUE SPACES.

02 OVR-AMT PIC X(17) VALUE 'OVERALL AMOUNT : '.

02 OVRALL-TOT PIC 9(10).99 .

01 DATA-RETRIEVE.

02 FILLER PIC X(5) VALUE SPACES.

02 ACNT-NUM PIC 9(10).

02 FILLER PIC X(5) VALUE SPACES.

02 CUS-NAME PIC X(27).

02 FILLER PIC X(7) VALUE SPACES.

02 BALANCE PIC 9(9).99 .

77 P-TOTAL PIC 9(8) VALUE 0.

77 F-TOTAL PIC 9(8) VALUE 0.

PROCEDURE DIVISION.

MAIN-PARA.

ACCEPT WS-DATE FROM DATE.

MOVE CORRESPONDING WS-DATE TO RP-DATE.

MOVE 'ACCOUNT DETAILS OF THE STUDENTS ' TO TOPIC.

\* INITIALIZE DCLACNT.

PERFORM OPEN-PARA.

PERFORM WRITE-PARA UNTIL SQLCODE = 100.

PERFORM FOOTER-PARA.

PERFORM CLOSE-PARA.

STOP RUN.

OPEN-PARA.

OPEN OUTPUT OUTFILE.

EXEC SQL

OPEN C1

END-EXEC.

FETCH-PARA.

EXEC SQL

FETCH C1

INTO

:HV-NAME,

:HV-DESCRIPTION,

:HV-AMT

END-EXEC.

CLOSE-PARA.

EXEC SQL

CLOSE C1

END-EXEC.

CLOSE OUTFILE.

HEADING-PARA.

WRITE OUT-REC-FILE FROM BR-LINE.

WRITE OUT-REC-FILE FROM MAIN-HEADING.

WRITE OUT-REC-FILE FROM REPORT-HEADING.

WRITE OUT-REC-FILE FROM BR-LINE.

WRITE OUT-REC-FILE FROM COLUMN-HEADING.

WRITE OUT-REC-FILE FROM BR-LINE.

WRITE-PARA.

MOVE ZEROS TO CUST-CNT.

MOVE ZEROS TO P-TOTAL.

COMPUTE RP-PAGE = RP-PAGE + 1 .

PERFORM HEADING-PARA.

PERFORM VARYING I FROM 1 BY 1 UNTIL I > 6

PERFORM FETCH-PARA

EVALUATE SQLCODE

WHEN 0

MOVE HV-NAME TO ACNT-NUM

MOVE HV-DESCRIPTION TO CUS-NAME

MOVE HV-AMT TO BALANCE

WRITE OUT-REC-FILE FROM DATA-RETRIEVE

COMPUTE CUST-CNT = CUST-CNT + 1

COMPUTE P-TOTAL = P-TOTAL + HV-AMT

COMPUTE F-TOTAL = F-TOTAL + HV-AMT

MOVE P-TOTAL TO TOT-BAL

MOVE F-TOTAL TO OVRALL-TOT

WHEN 100

MOVE SPACES TO OUT-REC-FILE

WRITE OUT-REC-FILE

WHEN OTHER

DISPLAY 'SQLERROR ' SQLCODE

END-EVALUATE

END-PERFORM.

IF SQLCODE = 100

WRITE OUT-REC-FILE FROM OVERALL-AMOUNT-HEADING

EXIT

END-IF.

PERFORM SKIP-PARA 9 TIMES.

SKIP-PARA.

MOVE SPACES TO OUT-REC-FILE.

WRITE OUT-REC-FILE.

FOOTER-PARA.

MOVE 'TOTAL NO OF ACCOUNTS DISPLAYED: ' TO FOOT-TOPIC.

WRITE OUT-REC-FILE FROM BR-LINE.

WRITE OUT-REC-FILE FROM FOOTER-HEADING.

WRITE OUT-REC-FILE FROM BR-LINE.