SAMPLE PROGRAM

```
IDENTIFICATION DIVISION.
PROGRAM-ID. SAMPLE.
ENVIRONMENT DIVISION.
CONFIGURATION DIVISION.
INPUT-OUTPUTSECTION.
FILE-CONTROL.
        SELECT OUT-FILE ASSIGN TO  DD1
DATA DIVISION.
FILE SECTION.
FD     OUT-FILE.
01     OUTREC     PIC    X(80).
        WORKING-STORAGE SECTION.
01     R0.
        03     FILLER        PIC X (29) VALUE  "NAME".
        03     FILLER        PICX  (05) VALUE  "PHONE"
01     R1.
        03     R1- FIRSTNME      PIC X (12).
        03     FILLER              PIC X (01)  VALUE  " ".
        03     R1-LASTNAME      PIC X(15).
        03     FILLER              PIC X(01)  VALUE " ".
        03     R1-PHONENO        PIC X(04).
01     PROMPT1                PIC X(80).
         VALUE " ENTER EMPNO OR 999999 TO STOP ….."
01      ERR-NF
         VALUE "***** THIS EMPNO DOES NOT EXIST*****"
01      ERR-UN-1
         VALUE "*****UNEXPECTED ERROORS***********"
01      ERR-UN-2
        03   FILLER        PIC X(13)   VALUE "******SQLSTATE=".
        03   EU2-SQLSTATE  PIC 99999.
        03   FILLER        PIC X(08)   VALUE "   ****"
01      ERR-UN-3          PIC X(80)
             VALUE  "************PROGRAM ENDS********".
* --------------------------------------------------------------------------------------------------
*COMPLETE THE DECLARATION FOR  :
*  TABLE   EMP
*  THE SQL COMMUNICATION AREA (SQLCA)
*-------------------------------------------------------------------------------------------------
          EXEC SQL INCLUDE EMP
               END- EXEC.
          EXEC SQL INCLUDE SQLCA
               END-EXEC.
```

```
        PROCEDURE DIVISION.
             MAIN-PARA.
                  PERFORM INIT
                  PERFORM DISP-EMP UNTIL EMPNO  =  "999999"
                  PERFORM  END-PARA.
             INIT-PARA.
             OPEN OUTPUT OUTFILE
             PERFORM  GET-EMPNO.
        DISP-EMP SECTION.
   * -----------------------------------------------------------------------------------------------
        WRITE YOUR SELECT STATEMENT HERE
   * -----------------------------------------------------------------------------------------------
          EXEC  SQL
              SELECT FIRSTNSME, LASTNAME, PHONENO
              INTO   :FIRSTNME, :LASTNAME,  :PHONENO
              FROM EMP
              WHERE  EMPNO   = : EMPNO
          END-EXEC.
   * -----------------------------------------------------------------------------------------------
   *  THIS STATEMENT IS NEEDED TO INTERCEPT ERROR
   *  CONDITIONS. YOU WILL LEARN ABOUT IT LATER IN THE COURSE
   * -----------------------------------------------------------------------------------------------
              EVALUVATE SQLSTATE
                    WHEN "00000" CONTINUE
                    WHEN "02000" GO TO NOTFOUND-PARA
                    WHEN OTHER GOTO ERROR-PARA
              END-EVALUVATE.
        MOVE FIRSTNME-TXT (1: FIRSTNME-LEN)  TO R1-FIRSTNME
        MOVE FIRSTNME-TXT (1: FIRSTNME-LEN) TO R1-LASTTNME
        MOVE PHONENO     TO    R1 – PHONENO
        WRITE OUTREC FROM R0
        WRITE OUTREC FROM R1
        GO TO  EXIT.-PARA

NOTFOUND-PARA.
        WRITE OUTREC FROM ERR-NF
        GO TO EXIT-PARA
ERROR-PARA.
        MOVE SQLSTATE TO EU2-SQLSTATE
        WRITE OUTREC FROM ERR-UN-1
        WRITE OUT-REC FROM ERR-UN-2
        WRITE OUT- REC FROM ERR-UN-3
        PERFORM END-PARA.
EXIT-PARA.
        PERFORM GET-EMPNO.
```

```
GET-EMPNO-PARA.
      MOVE SPACE TO OUTREC.
      WRITE OUTREC.
      WRITE OUTREC FROM PROMPT1
      ACCEPT EMPNO.
END-PARA.
      CLOSE OUTFILE
      GOBACK.
```