**LIT TRAINING**

**Batch Name : SAP ABAP -14                                                            DAY 5 ASSIGNMENT**

**EMPLOYEE ID – 46255437                                                              DATE : 4th october 2022**

question1:

REPORT ZNAV\_DAY5\_Q1.  
  
TYPES : BEGIN OF TY\_SPFLI,  
          CARRID    TYPE S\_CARR\_ID,  
          CONNID    TYPE S\_CONN\_ID,  
          COUNTRYFR TYPE LAND1,  
          CITYFROM  TYPE S\_FROM\_CIT,  
          AIRPFROM  TYPE S\_FROMAIRP,  
          COUNTRYTO TYPE LAND1,  
          CITYTO    TYPE S\_TO\_CITY,  
          FLTIME TYPE S\_FLTIME,  
        END OF TY\_SPFLI.  
  
DATA : IT\_SPFLI TYPE TABLE OF TY\_SPFLI,  
       WA\_SPFLI TYPE TY\_SPFLI.  
  
SELECT CARRID CONNID COUNTRYFR CITYFROM AIRPFROM COUNTRYTO CITYTO  
  FROM SPFLI INTO TABLE IT\_SPFLI  
  WHERE CARRID = 'AZ' AND  
              ( CITYFROM = 'INDIA' OR  CITYFROM = 'ROME' ).  
  
IF SY-SUBRC <> 0.  
  MESSAGE 'No Data' TYPE 'I'.  
ENDIF.  
  
CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
  EXPORTING  
    VALUE = IT\_SPFLI  
    NAME  = 'FLIGHT DETAILS'.

output:

A picture containing text

Description automatically generated

question2:

REPORT ZNAV\_DAY5\_Q2.  
  
  
TABLES: MARA.  
  
TYPES:   BEGIN OF TY\_MARA,  
         MATNR TYPE MATNR,  
         MTART TYPE MTART,  
         AENAM TYPE AENAM,  
         ERNAM TYPE ERNAM,  
         MBRSH TYPE MBRSH,  
       END OF TY\_MARA.  
  
DATA : IT\_MARA TYPE TABLE OF TY\_MARA,  
       WA\_MARA TYPE TY\_MARA.  
  
PARAMETERS P\_MATNR TYPE MATNR.  
  
START-OF-SELECTION.  
  PERFORM GET\_DATA.  
  
END-OF-SELECTION.  
  PERFORM DISPLAY\_LIST.  
  
\*&---------------------------------------------------------------------\*  
\*&      Form  GET\_DATA  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
FORM GET\_DATA.  
  SELECT MATNR MTART AENAM ERNAM MBRSH  
        UP TO 1 ROWS FROM MARA INTO TABLE IT\_MARA  
         WHERE MATNR = P\_MATNR.  
  
ENDFORM.                    " GET\_DATA  
  
\*&---------------------------------------------------------------------\*  
\*&      Form  DISPLAY\_LIST  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
FORM DISPLAY\_LIST .  
  IF SY-SUBRC = 0.  
  CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
    EXPORTING  
      VALUE = IT\_MARA  
      NAME  = 'GENERAL MATERIAL DATA'.  
  ELSE.  
    MESSAGE 'NO RECORD FOUND' TYPE 'I'.  
  ENDIF.  
  
ENDFORM.                " DISPLAY\_list.

output:

*Text, letter

Description automatically generated*

*question3:*

TABLES Z132\_EMP\_TABLE.  
  
DATA IT\_EMP TYPE TABLE OF Z132\_EMP\_TABLE.  
  
SELECTION-SCREEN BEGIN OF BLOCK B1.  
PARAMETERS : P\_DEPTNO TYPE Z133\_DEP\_NO,  
             P\_DNAME  TYPE Z133\_DEPT\_NAME,  
             P\_LOC    TYPE Z133\_DE\_LOC.  
SELECTION-SCREEN END OF BLOCK B1.  
REPORT ZNAV\_DAY5\_Q3.  
  
  
START-OF-SELECTION.  
  
  PERFORM GET\_DATA.  
  
  CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
    EXPORTING  
      VALUE = IT\_EMP  
      NAME  = 'Employee Details Before Updation'.  
  
  REFRESH IT\_EMP.  
  
  UPDATE Z132\_EMP\_TABLE  
  
  SET DNAME = P\_DNAME  
      LOC = P\_LOC  
      WHERE DEPTNO = P\_DEPTNO.  
  IF SY-SUBRC <> 0.  
    MESSAGE 'Error In Updation' TYPE'I'.  
  ELSE.  
    PERFORM GET\_DATA.  
    CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
      EXPORTING  
        VALUE = IT\_EMP  
        NAME  = 'Employee Betails After Updation'.  
  ENDIF.  
  
  
FORM GET\_DATA.  
  SELECT MANDT DEPTNO DNAME LOC  
    FROM Z132\_EMP\_TABLE INTO TABLE IT\_EMP  
    WHERE DEPTNO = P\_DEPTNO.  
  IF SY-SUBRC <> 0.  
    MESSAGE 'Error ocurred in data fetching from DB table' TYPE'I'.  
  ENDIF.  
ENDFORM.

output:

*A picture containing text, appliance

Description automatically generated*

*question4:L*

REPORT ZNAV\_DAY5\_Q4.  
  
TABLES: Z132\_EMP\_TABLE.  
  
DATA : IT\_EMP TYPE TABLE OF Z132\_EMP\_TABLE,  
       WA\_EMP TYPE Z132\_EMP\_TABLE,  
       IT\_EMP1 TYPE TABLE OF Z132\_EMP\_TABLE,  
       WA\_EMP1 TYPE Z132\_EMP\_TABLE,  
       IT\_EMP2 TYPE TABLE OF Z132\_EMP\_TABLE,  
       WA\_EMP2 TYPE Z132\_EMP\_TABLE.  
  
PARAMETERS P\_DEPT TYPE Z133\_DEPT\_NAME.  
  
START-OF-SELECTION.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1ST SELECT STATEMENT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
SELECT \* FROM Z132\_EMP\_TABLE INTO TABLE IT\_EMP WHERE DNAME = P\_DEPT.  
  
  IF SY-SUBRC <> 0.  
    MESSAGE 'Error ocurred in data fetching from DB table' TYPE'I'.  
  ENDIF.  
  
  CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
    EXPORTING  
      VALUE = IT\_EMP  
      NAME  = 'FIRST SELECT STATEMENT'.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*2ND SELECT STATEMENT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
 SELECT SINGLE \* FROM Z132\_EMP\_TABLE INTO WA\_EMP1 WHERE DNAME = P\_DEPT .  
  
   IF SY-SUBRC <> 0.  
    MESSAGE 'Error ocurred in data fetching from DB table' TYPE'I'.  
  ENDIF.  
  
  CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
    EXPORTING  
      VALUE = WA\_EMP1  
      NAME  = 'SECOND SELECT STATEMENT'.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*3rd SELECT STATEMENT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
  
 SELECT MANDT DNAME FROM Z132\_EMP\_TABLE INTO CORRESPONDING FIELDS OF TABLE IT\_EMP2 WHERE DNAME = P\_DEPT .  
  
   IF SY-SUBRC <> 0.  
    MESSAGE 'Error ocurred in data fetching from DB table' TYPE'I'.  
  ENDIF.  
  
  CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
    EXPORTING  
      VALUE = IT\_EMP2  
      NAME  = 'THIRD SELECT STATEMENT'.

*Graphical user interface

Description automatically generated*

*question5:*

REPORT ZNAV\_DAY5\_Q5.  
  
PARAMETERS P\_CARRID TYPE SFLIGHT-CARRID.  
  
SELECT  
        CONNID,  
        COUNT( \* ) AS COUNT\_REC,  
        MAX( PRICE ) AS MAX\_PRICE,  
        MIN( PRICE ) AS MIN\_PRICE,  
        AVG( SEATSOCC ) AS AVERAGE\_SEATSOCC,  
        SUM( SEATSMAX ) AS TOTAL\_SEATS  
        FROM SFLIGHT  
        WHERE CARRID = @P\_CARRID  
        GROUP BY CONNID  
        INTO TABLE @DATA(ITAB) .  
  
CL\_DEMO\_OUTPUT=>DISPLAY\_DATA(  
  EXPORTING  
    VALUE = ITAB  
    NAME  =  'Flight Details'  
).

*A picture containing text

Description automatically generated*

*question6:*

REPORT ZNAV\_DAY5\_Q6.  
  
TABLES :SFLIGHT.  
  
DATA : IT\_SFLIGHT TYPE STANDARD TABLE OF SFLIGHT,  
       IT\_SCARR   TYPE STANDARD TABLE OF SCARR.  
SELECT-OPTIONS S\_CARRID FOR SFLIGHT-CARRID.  
  
SELECT \* INTO TABLE IT\_SFLIGHT FROM SFLIGHT  
                               WHERE CARRID IN S\_CARRID.  
  
IF IT\_SFLIGHT IS NOT INITIAL.  
  SELECT \* INTO TABLE IT\_SCARR FROM SCARR  
                             FOR ALL ENTRIES IN IT\_SFLIGHT  
                             WHERE CARRID = IT\_SFLIGHT-CARRID.  
ENDIF.  
  
CL\_DEMO\_OUTPUT=>DISPLAY\_DATA( NAME = 'Flight Details'  
                              VALUE = IT\_SCARR ).

output:

*A picture containing graphical user interface

Description automatically generated*

*question7:*

\*&---------------------------------------------------------------------\*  
\*& Report ZNAV\_DAY5\_Q7  
\*&---------------------------------------------------------------------\*  
\* Description:                                                         \*  
\*                                                                      \*  
\* Author:                                                              \*  
\*                                                                      \*  
\* Create date:                                                         \*  
\*                                                                      \*  
\*&---------------------------------------------------------------------\*  
\* Modification log:                                                    \*  
\* -------------------------------------------------------------------- \*  
\* Date        User name      ID       Change Request   Case ref.       \*  
\*             Description                                              \*  
\*&---------------------------------------------------------------------\*  
REPORT ZNAV\_DAY5\_Q7.  
  
TYPES : BEGIN OF TY\_KNA1,  
         KUNNR  TYPE KUNNR,  
          NAME1 TYPE NAME1\_GP,  
          LAND1 TYPE LAND1\_GP,  
        END OF TY\_KNA1.  
  
  
DATA : IT\_TAB1 TYPE STANDARD TABLE OF TY\_KNA1,  
       IT\_TAB2 TYPE STANDARD TABLE OF TY\_KNA1.  
  
SELECT KUNNR NAME1 LAND1  
  FROM KNA1 UP TO 10 ROWS  
  INTO TABLE IT\_TAB1.  
  
IF SY-SUBRC <> 0.  
  MESSAGE 'Error ocurred in data fetching from DB table' TYPE'I'.  
ENDIF.  
  CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
    EXPORTING  
      VALUE = IT\_TAB1  
      NAME  = 'TABLE ONE'.  
  
APPEND LINES OF IT\_TAB1 TO IT\_TAB2.  
  
  CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
    EXPORTING  
      VALUE = IT\_TAB2  
      NAME  = 'TABLE TWO'.

*Text

Description automatically generated*

*question8:*

\*&---------------------------------------------------------------------\*  
\*& Report ZNAV\_DAY5\_Q8  
\*&---------------------------------------------------------------------\*  
\* Description:                                                         \*  
\*                                                                      \*  
\* Author:                                                              \*  
\*                                                                      \*  
\* Create date:                                                         \*  
\*                                                                      \*  
\*&---------------------------------------------------------------------\*  
\* Modification log:                                                    \*  
\* -------------------------------------------------------------------- \*  
\* Date        User name      ID       Change Request   Case ref.       \*  
\*             Description                                              \*  
\*&---------------------------------------------------------------------\*  
REPORT ZNAV\_DAY5\_Q8.  
  
TABLES: MARA.  
  
TYPES:   BEGIN OF TY\_MARA,  
         MATNR TYPE MATNR,  
         MTART TYPE MTART,  
         AENAM TYPE AENAM,  
         ERNAM TYPE ERNAM,  
         MBRSH TYPE MBRSH,  
       END OF TY\_MARA.  
  
DATA : IT\_MARA TYPE TABLE OF TY\_MARA,  
       WA\_MARA TYPE TY\_MARA.  
  
PARAMETERS P\_MATNR TYPE MATNR.  
  
START-OF-SELECTION.  
  PERFORM GET\_DATA.  
  
END-OF-SELECTION.  
  PERFORM DISPLAY\_LIST.  
  
\*&---------------------------------------------------------------------\*  
\*&      Form  GET\_DATA  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
FORM GET\_DATA.  
  SELECT MATNR MTART AENAM ERNAM MBRSH  
        UP TO 1 ROWS FROM MARA INTO TABLE IT\_MARA  
         WHERE MATNR = P\_MATNR.  
  
ENDFORM.                    " GET\_DATA  
  
\*&---------------------------------------------------------------------\*  
\*&      Form  DISPLAY\_LIST  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
FORM DISPLAY\_LIST .  
  IF SY-SUBRC = 0.  
  CALL METHOD CL\_DEMO\_OUTPUT=>DISPLAY\_DATA  
    EXPORTING  
      VALUE = IT\_MARA  
      NAME  = 'GENERAL MATERIAL DATA'.  
  ELSE.  
    MESSAGE 'NO RECORD FOUND' TYPE 'I'.  
  ENDIF.  
  
ENDFORM.                    "

*Graphical user interface, text, application

Description automatically generated*