**DAY13- ASSIGNMENT**

BATCH NAME: SAP ABAP HANA

NAME: GIDUGU RANI

EMI ID:46255264

EMP EMAIL ID: GIDUGU.RANI@CAPGEMINI.COM

\*&---------------------------------------------------------------------\*

\*& Report z264\_d13

\*&---------------------------------------------------------------------\*

\* Description: \*

\* \*

\* Author: \*

\* \*

\* Create date: \*

\* \*

\*&---------------------------------------------------------------------\*

\* Modification log: \*

\* -------------------------------------------------------------------- \*

\* Date User name ID Change Request Case ref. \*

\* Description \*

\*&---------------------------------------------------------------------\*

REPORT z264\_d13.

\*\*\*\*\*\*\*\*\*\*\*Inline declarations\*\*\*\*\*\*\*\*\*\*\*\*

CLASS LOCAL\_CLASS DEFINITION.

PUBLIC SECTION.

METHODS GET\_DATA IMPORTING VALUE(S\_CARR) TYPE SPFLI-CARRID.

ENDCLASS.

CLASS LOCAL\_CLASS IMPLEMENTATION.

METHOD GET\_DATA .

SELECT CARRID,CONNID,FLDATE FROM SFLIGHT INTO TABLE @DATA(ITAB) WHERE CARRID = @S\_CARR.

IF ITAB IS INITIAL.

MESSAGE 'Data not fetched' type 'I'.

ENDIF.

CL\_dEMO\_OUTPUT=>display(

EXPORTING

data = ITAB " Text or Data

name = 'Flight Details'

).

ENDMETHOD.

ENDCLASS.

PARAMETERS P\_CARR TYPE SPFLI-CARRID.

START-OF-SELECTION.

DATA(OBJ) = NEW LOCAL\_CLASS( ).

OBJ->get\_data( s\_carr = P\_CARR ).

WRITE: / 'Flight Schedule Details' .

SELECT SINGLE CARRID, CONNID, AIRPTO, CITYFROM FROM SPFLI INTO @DATA(WA) WHERE CARRID = @P\_CARR.

SKIP.

WRITE: / WA.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*VALUE OPERATOR \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

WA = VALUE #( CARRID = 'LH' CONNID = '24' AIRPTO = 'CHENNAI' CITYFROM = 'GUNTUR' ).

ULINE.

Write: 'Using Value Operator'.

skip.

WRITE: / WA.

ULINE.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*FOR OPERATOR\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*DATA(DATA) = VALUE SFLIGHT( FOR CONNID IN SPFLI( SPFLI-CARRID) ).

\*\*\*\*\*\*\*\*\*\*\*\*REDUCE\*\*\*\*\*\*\*\*\*

SELECT CARRID, CONNID, BOOKID, CUSTOMID FROM SBOOK INTO TABLE @DATA(ITAB2).

DATA(COUNT) = REDUCE I( INIT X = 0 FOR WA\_BOOK IN ITAB2 WHERE ( CARRID = 'AA' ) NEXT X = X + 1 ).

SKIP.

WRITE: 'REDUCE'.

WRITE: / COUNT .

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CORRESPONDING FILEDS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TYPES: BEGIN OF TY\_1,

CARRID TYPE S\_CARR\_ID,

CONNID TYPE S\_CONN\_ID,

END OF TY\_1.

TYPES: BEGIN OF TY\_2,

CARRID TYPE S\_CARR\_ID,

PRICE TYPE S\_PRICE,

CONNID TYPE S\_CONN\_ID,

END OF TY\_2.

DATA(IT1) = VALUE TY\_1( CARRID = 'IN' CONNID = 45 ).

DATA(IT\_2) = VALUE TY\_2( CARRID = 'AA' PRICE = 2000 CONNID = 24 ).

IT\_2 = CORRESPONDING #( BASE ( IT\_2 ) IT1 ).

SKIP.

ULINE.

WRITE: / 'CORRESPONDING'.

WRITE: / IT\_2-carrid,

IT\_2-price,

IT\_2-connid.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Strings\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ULINE.

WRITE / |{ 'Text' CASE = (cl\_abap\_format=>c\_lower) }|.

SKIP.

ULINE.

\*\*\*\*\*\*\*\*\*\*\*\*\*group by\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

WRITE: / 'GROUP BY'.

LOOP AT ITAB2 INTO DATA(WA2) GROUP BY ( CARRID = WA2-CARRID ).

WRITE: / WA2-carrid,WA2-connid,WA2-bookid,WA2-customid.

ENDLOOP.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*USING READ TABLE WITH KEY\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ULINE.

DATA(WA3) = ITAB2[ CARRID = 'LH' ].

WRITE: / 'READ TABLE WITH KEY'.

WRITE: / WA3-carrid,WA3-connid,WA3-bookid,WA3-customid.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*FILTER\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TYPES: BEGIN OF ty\_filter,

countryfr TYPE spfli-countryfr,

countryto TYPE spfli-countryto,

f3 TYPE i,

END OF ty\_filter,

filter\_tab TYPE HASHED TABLE OF ty\_filter

WITH UNIQUE KEY countryfr countryto.

DATA: it\_fly TYPE STANDARD TABLE OF spfli.

SELECT \* FROM spfli APPENDING TABLE it\_fly.

DATA(it\_filter) = VALUE filter\_tab( f3 = 2

( countryfr = 'US' countryto = 'DE' )

( countryfr = 'DE' countryto = 'US' ) ).

DATA(it\_ext) = FILTER #( it\_fly IN it\_filter

WHERE countryfr = countryfr

AND countryto = countryto ).

cl\_demo\_output=>display( it\_ext ).













