**LIT TRAINING**

**Batch Name : SAP ABAP ON HANA** **DAY 13 ASSIGNMENT**

**EMPLOYEE ID – 46255245**

**CODE:-**

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

\*& Report z245new

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

\* Description: \*

\* \*

\* Author: \*

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\* Create date: \*

\* \*

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

\* Modification log: \*

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

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

\* Description \*

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

REPORT z245new.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*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 ).

OUTPUT:-

Graphical user interface, text, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application, Word

Description automatically generated

Graphical user interface, text, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated