**DAY13- ASSIGNMENT**

BATCH NAME: SAP ABAP HANA

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\*& Report z266\_day13

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\* Description:                                                         \*

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\* Author:                                                              \*

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\* Create date:                                                         \*

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\* Modification log:                                                    \*

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

\*             Description                                              \*

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REPORT z266\_day13.

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









