

LIT TRAINING

Batch Name - SAP ABAP - 25
EMPLOYEE ID – 46247689

DAY 13 ASSIGNMENT

```
*&-----*
*& Report ZABN_DAY13_Q
*&-----*
* Description:
*
* Author:
*
* Create date:
*
*&-----*
* Modification log:
* -----*
* Date          User name      ID          Change Request  Case ref.
*              Description
*&-----*
REPORT zyny_new_syntax.

***** Class Definition *****

CLASS local_class DEFINITION.

    PUBLIC SECTION.

        METHODS get_data IMPORTING VALUE(s_carr) TYPE spfli-carriid.

ENDCLASS.

***** Class Implementation *****

CLASS local_class IMPLEMENTATION.

    METHOD get_data .

        SELECT carriid,connid,fldate FROM sflight INTO TABLE @DATA(itab) WHERE c
arriid = @s_carr.

        IF itab IS INITIAL.

            MESSAGE 'Data not fetched' TYPE 'I'.

        ENDIF.

***** Data Display *****

cl_demo_output=>display(

    EXPORTING

        data = itab      " Text or Data

        name = 'Flight Details'

    ).
```

```

ENDMETHOD.

ENDCLASS.

PARAMETERS p_carr TYPE spfli-carrid.    " Parameter Declaration

***** START-OF-SELECTION *****

START-OF-SELECTION.

    DATA(obj) = NEW local_class( ).

    obj->get_data( s_carr = p_carr ).

    WRITE: / 'Flight Schedule Details' .

***** Data Selection *****

    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,          " User defined structure
```

```
    carrid TYPE s_carr_id,
```

```
    connid TYPE s_conn_id,
```

```
END OF ty_1.
```

```
TYPES: BEGIN OF ty_2,          " User defined structure
```

```
    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: / 'Strings'.
```

```
WRITE / |{ 'TEXT IN LOWER CASE' 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,           " User defined structure
        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' ) ).

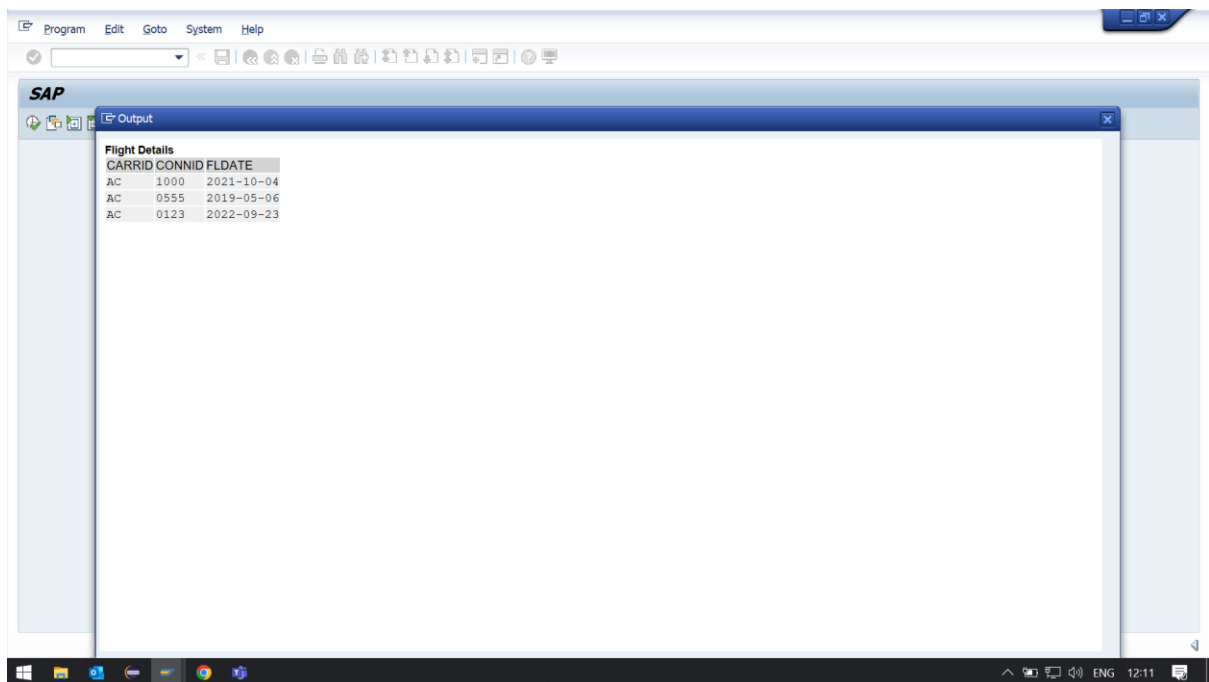
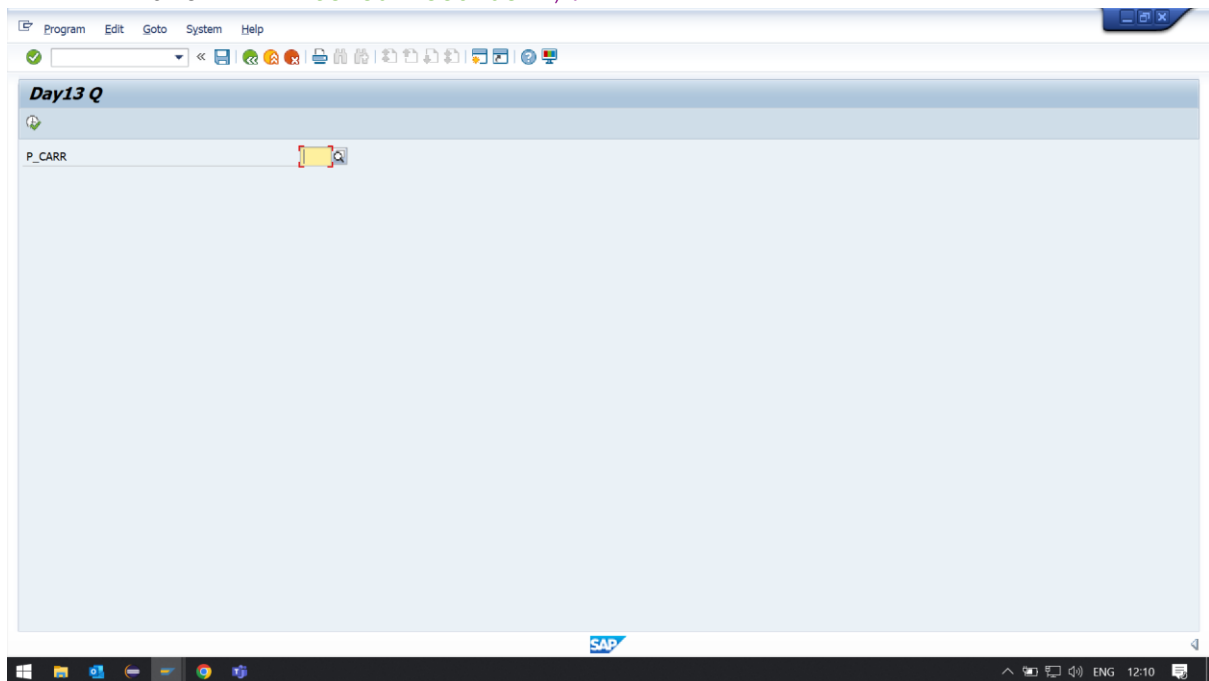
DATA(it_ext) = FILTER #( it_fly IN it_filter
WHERE countryfr = countryfr
AND countryto = countryto ).

cl_demo_output=>display(

EXPORTING

```

```
data = it_ext  
name = 'Filtered Records' ).
```



SAP

Output

Filtered Records

	MANDT	CARRID	CONNID	COUNTRYFR	CITYFROM	AIRPFROM	COUNTRYTO	CITYTO	AIRPTO	FLTIME	DEPTIME	ARRTIME	DISTANCE	DISTID	FLTYPE	PERIOD
600	DL	0106	US	NEW YORK	JFK	DE	FRANKFURT	FRA	0	00:00:00	00:00:00	00:00:00	0.0			0
600	LH	0400	DE	FRANKFURT	FRA	US	NEW YORK	JFK	0	00:00:00	00:00:00	00:00:00	0.0			0
600	LH	0401	US	NEW YORK	JFK	DE	FRANKFURT	FRA	0	00:00:00	00:00:00	00:00:00	0.0			0
600	LH	0402	DE	FRANKFURT	FRA	US	NEW YORK	JFK	0	00:00:00	00:00:00	00:00:00	0.0			0
600	UA	0941	DE	FRANKFURT	FRA	US	SAN FRANCISCO	SFO	0	00:00:00	00:00:00	00:00:00	0.0			0
600	UA	3504	US	SAN FRANCISCO	SFO	DE	FRANKFURT	FRA	0	00:00:00	00:00:00	00:00:00	0.0			0
600	UA	3516	US	NEW YORK	JFK	DE	FRANKFURT	FRA	0	00:00:00	00:00:00	00:00:00	0.0			0
600	UA	3517	DE	FRANKFURT	FRA	US	NEW YORK	JFK	0	00:00:00	00:00:00	00:00:00	0.0			0

SAP

Day13 Q

Day13 Q

Flight Schedule Details

0000

Using Value Operator

LH 0024CHEGUNTUR

REDUCE

6,893

CORRESPONDING

IN 2,000.00 0045

Strings

text in lower case

GROUP BY

AA 0000 00000000 00000000

AB 0000 00000000 00000000

AZ 0555 00000001 00003477

DL 0106 00000001 00003940

JL 0407 00000001 00001419

LH 0400 00000001 00000656

QF 0005 00000001 00002551

SQ 0002 00000001 00003162

