

LIT TRAINING

Batch Name - SAP ABAP - 25
EMPLOYEE ID – 46247689

DAY 10 ASSIGNMENT

Assignment 3 – Business Add in (BADI)-Single Use

Hint:

1. SE18 should be used to define a BADI
2. SE19 should be used to implement the BADI Definition.

Requirement: Define and implement a custom BADI in SE18 to divide two numbers.

Step1: Define a BADI (ZBADI_DEMO_01...05) in SE18.

Step2: Double click on the interface created to define the methods, parameters and exceptions.

Step3: Define an instance method DIVIDE_NUMBERS.

Step4: Define two importing parameter's (I_NUM1 & I_NUM2) and one exporting parameter (E_RESULT) of type integer

Step5: Define an exception if division is carried out using null value.

Step6: Create an implementation (ZBADI_DEMO_IMP_01...05) by specifying the BADI name that was created in step1.u

Step7: Double click on the method and write the source code to divide the two numbers.

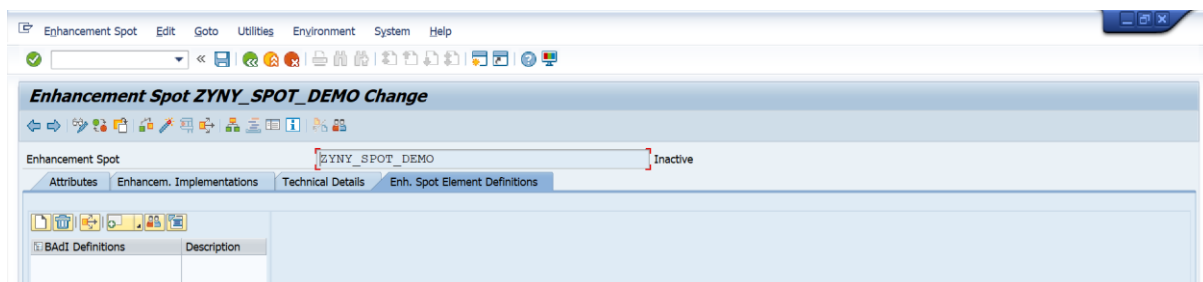
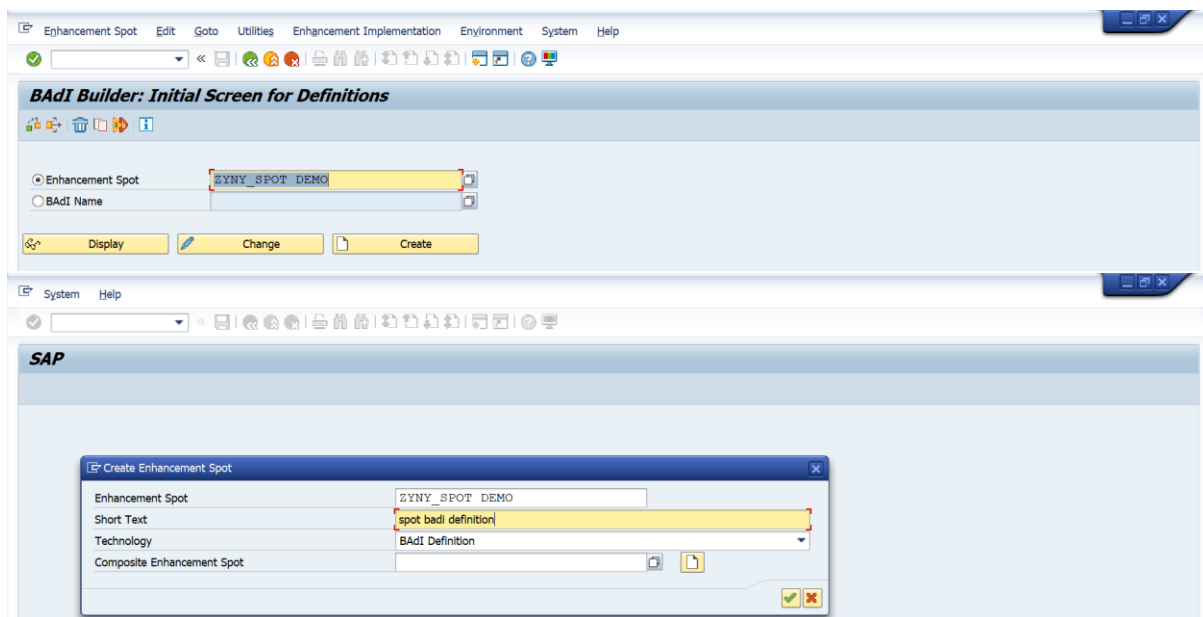
Step8: Create a wrapper program (ZDEMO_BADI_01...05).

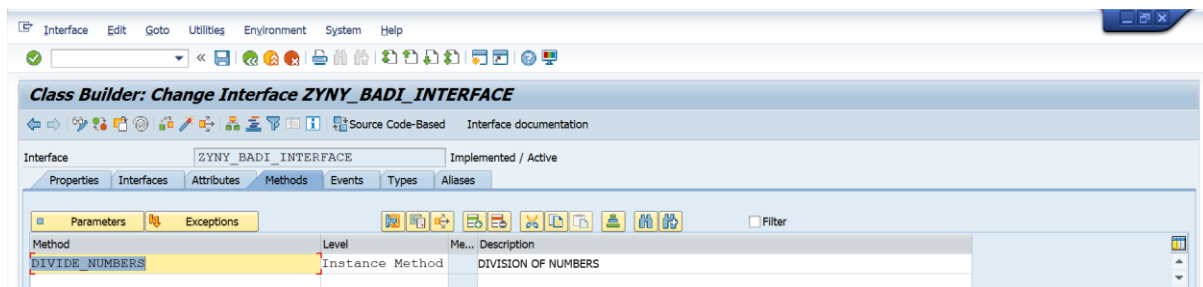
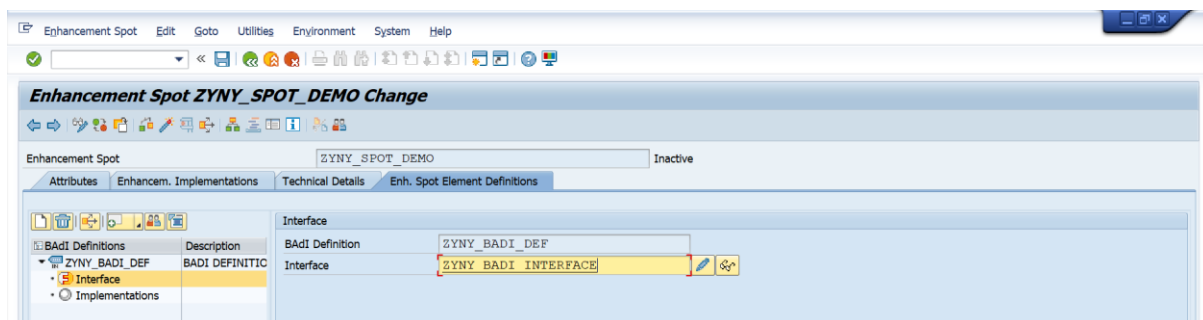
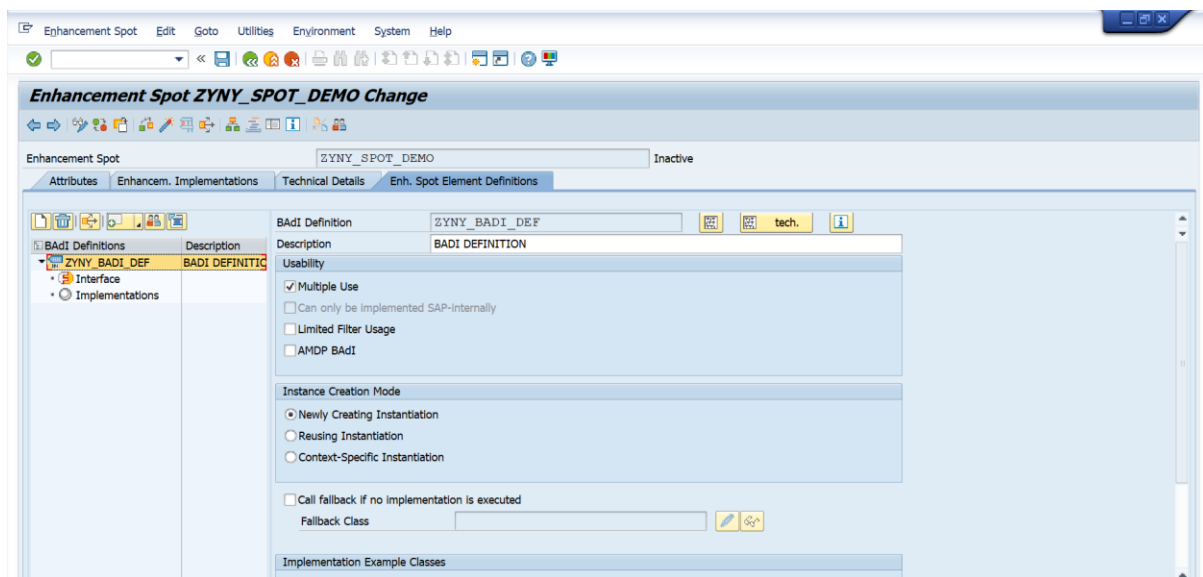
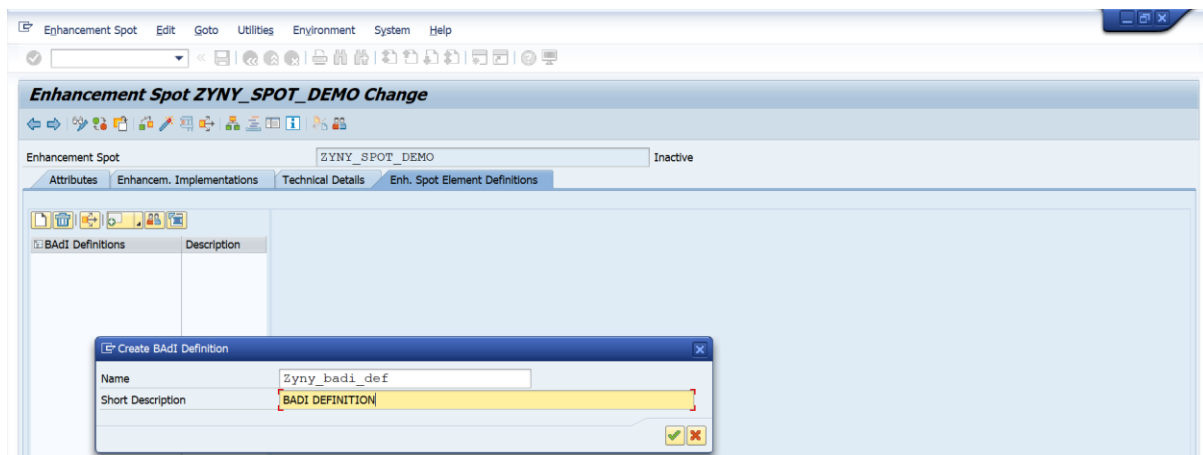
Step9: Define a reference variable of type BADI interface.

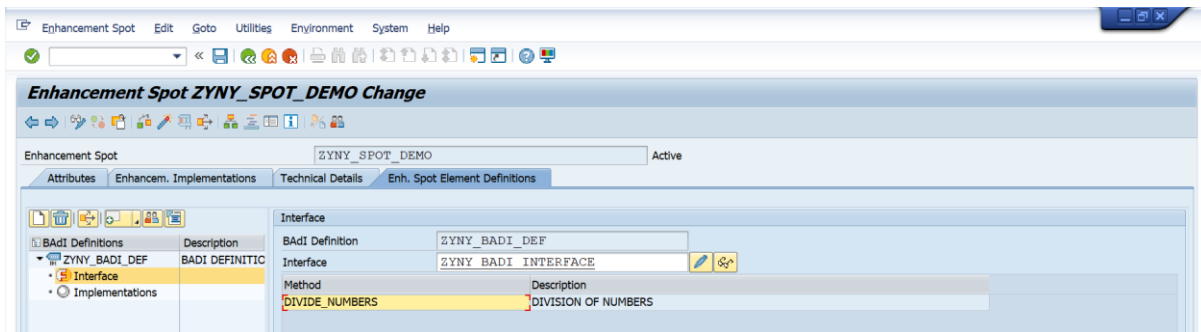
Step10: Define selection screen with two parameters of type integers

Step11: Call method GET_INSTANCE of the class CL_EXITHANDLER to get the BADI instance

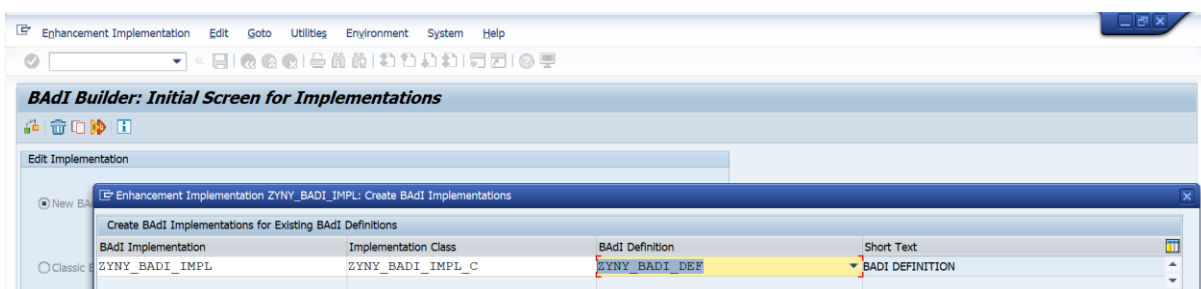
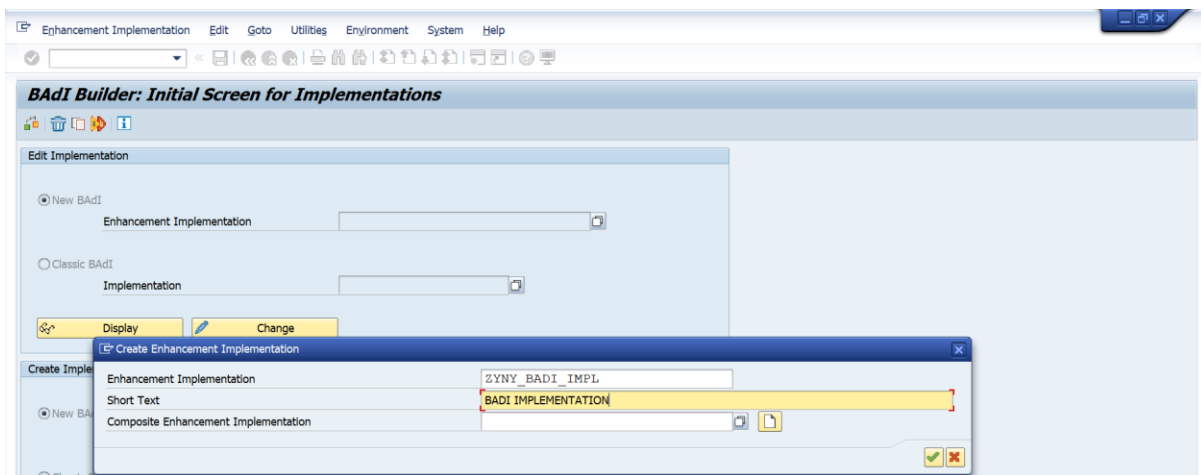
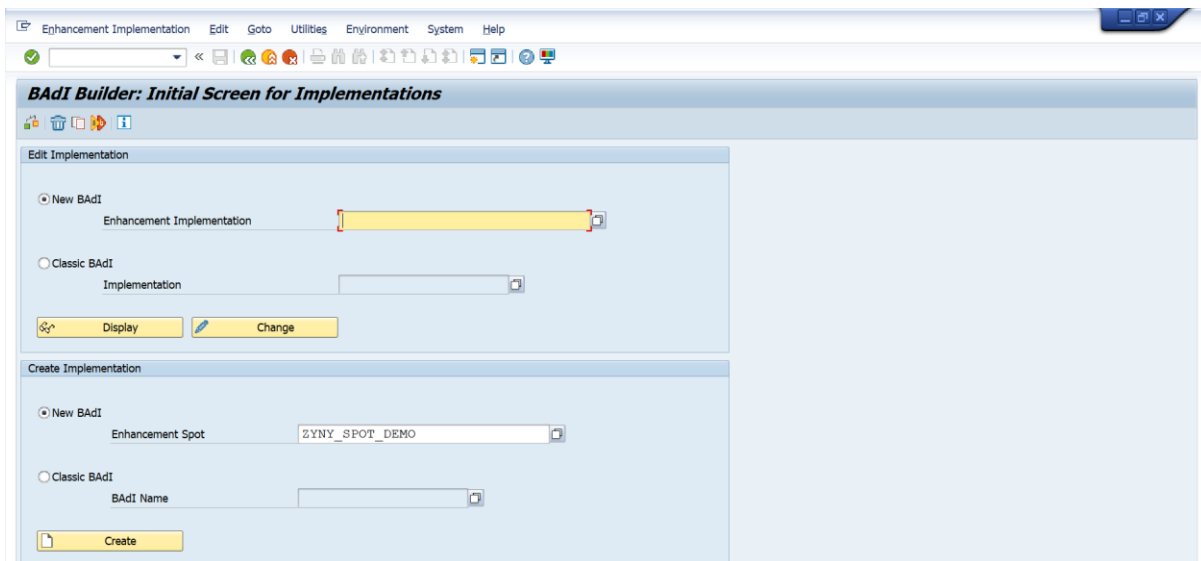
Step12: Call method DIVIDE_NUMBERS using this instance and pass the two selection parameters.

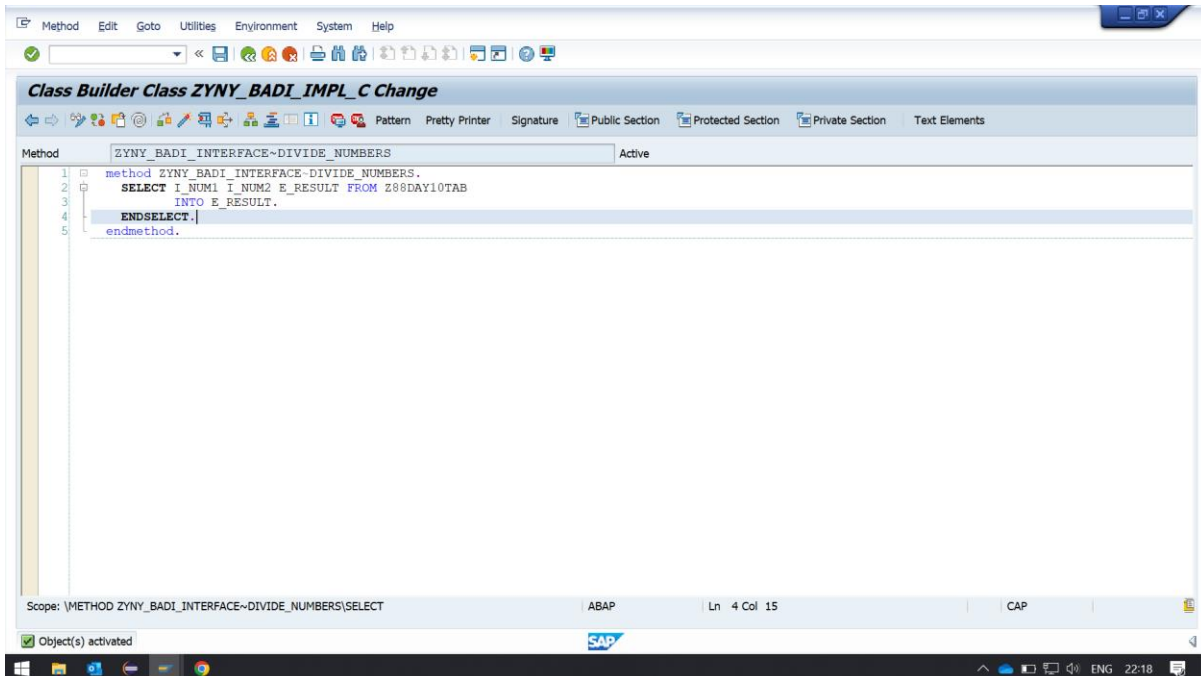
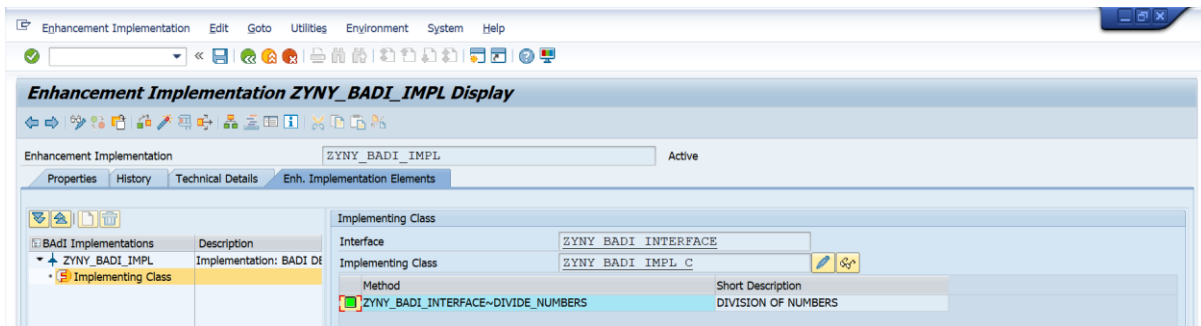
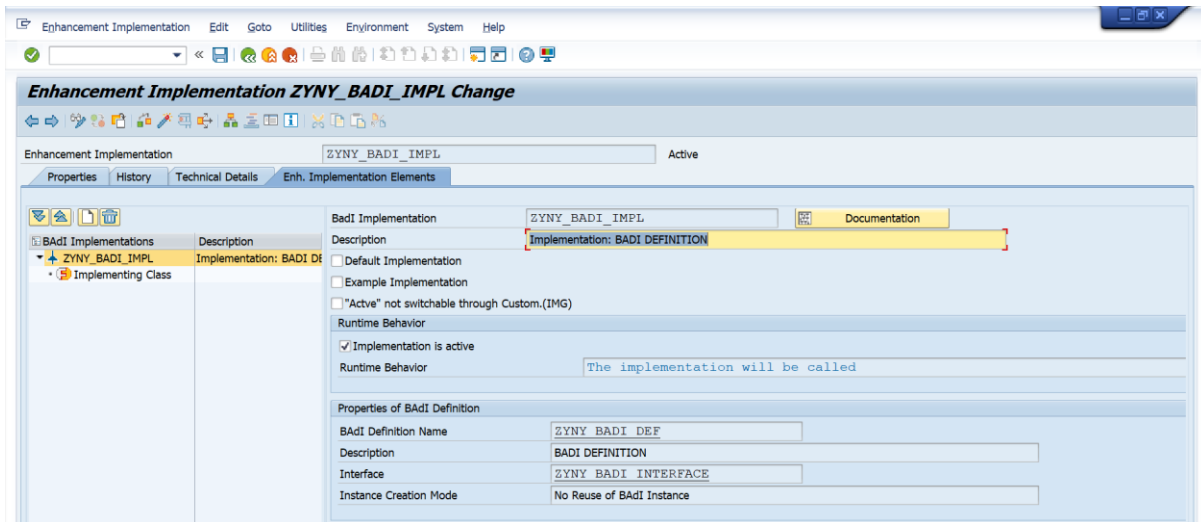


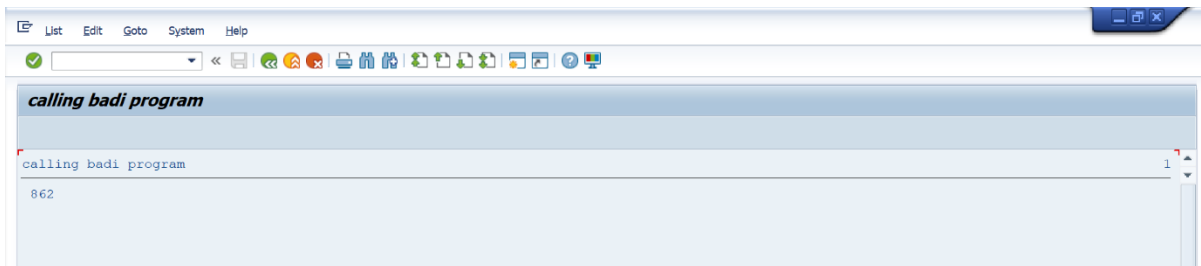
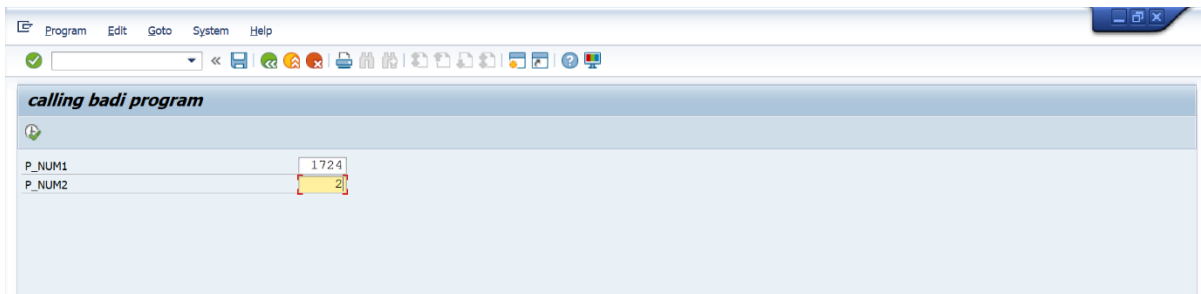




To Implement BADI Definition Go to SE19 & Create Implementation By using Enhancement spot.







Assignment 4 – Business Add in (BADI)-Multiple Use

Hint:

1. SE18 should be used to define a BADI
2. SE19 should be used to implement the BADI Definition.

Requirement: Define and implement a custom BADI in SE18 to get Booking Data & Emailid.

Step1: Define a BADI (ZBADI_DEMO_01...05) in SE18.

Step2: Double click on the interface created to define the methods, parameters and exceptions.

Step3: Input Carrid & Connid Table SCARR Get, Email Data.

Step4: Input Carrid & Connid Table SBOOK Get Booking Data.

Step5: Define an exception if no data is present.

Step6: Create an implementation (ZBADI_DEMO_IMP_01...05) by specifying the BADI name that was created in step1.

Step7: Create a wrapper program (ZDEMO_BADI_01...05).

Step8: Define a reference variable of type BADI interface.

Step9: Define selection screen with two parameters of type integers

Step10: Call method GET_INSTANCE of the class CL_EXITHANDLER to get the BADI instance

Step11: Call method DIVIDE_NUMBERS using this instance and pass the two selection parameters.

Create a program to display Data of Sflight

CARRID

CONNID

FLDATE

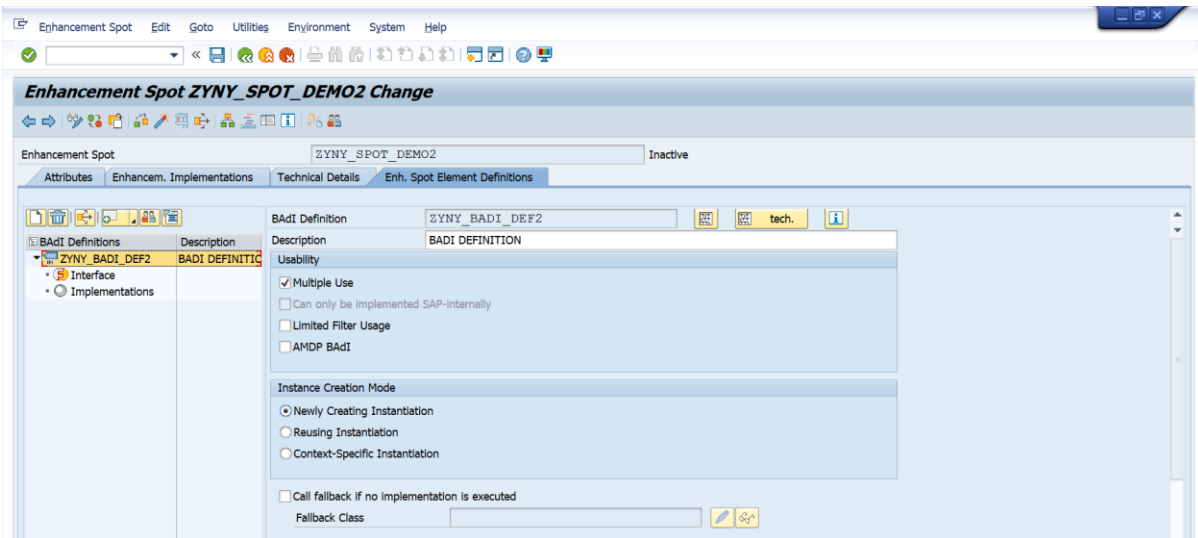
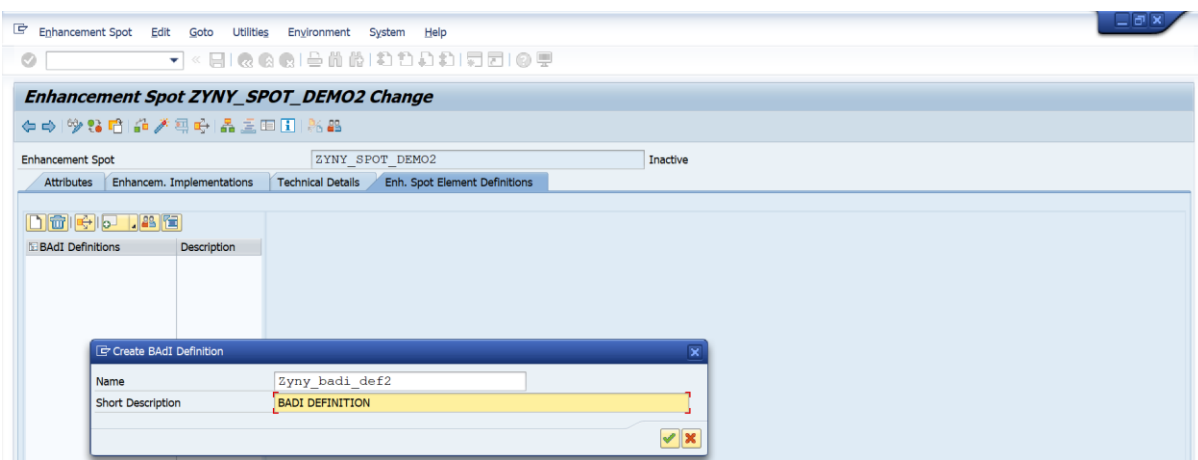
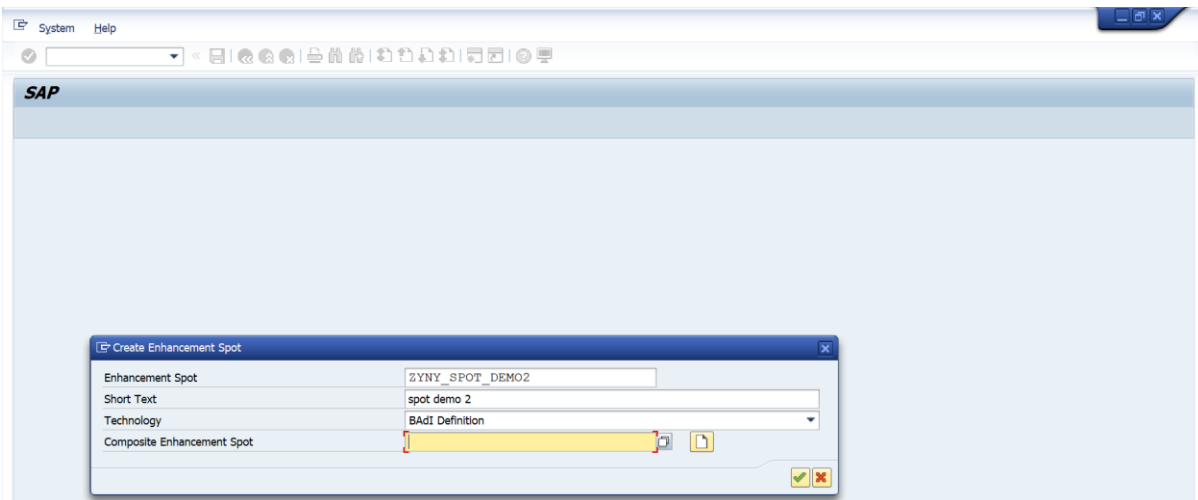
PRICE

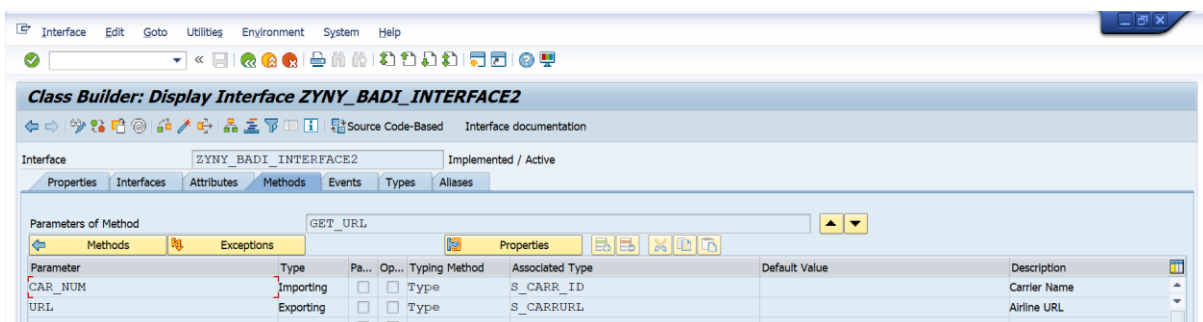
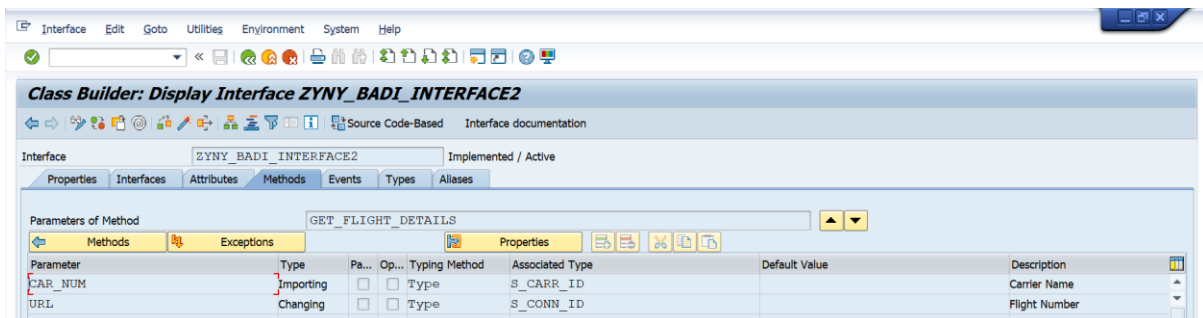
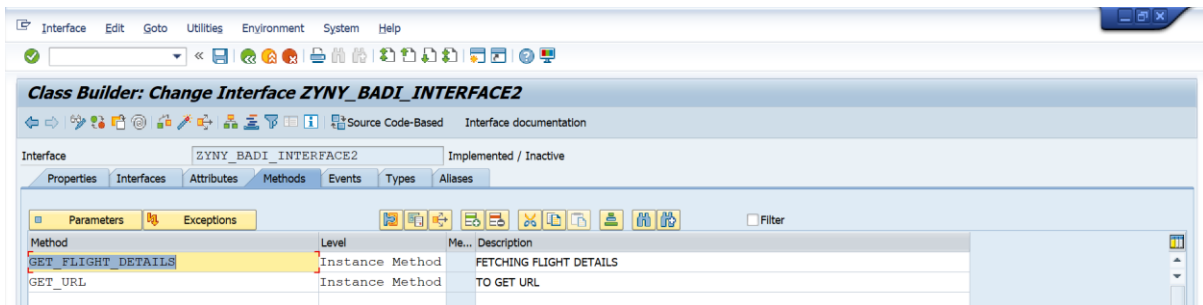
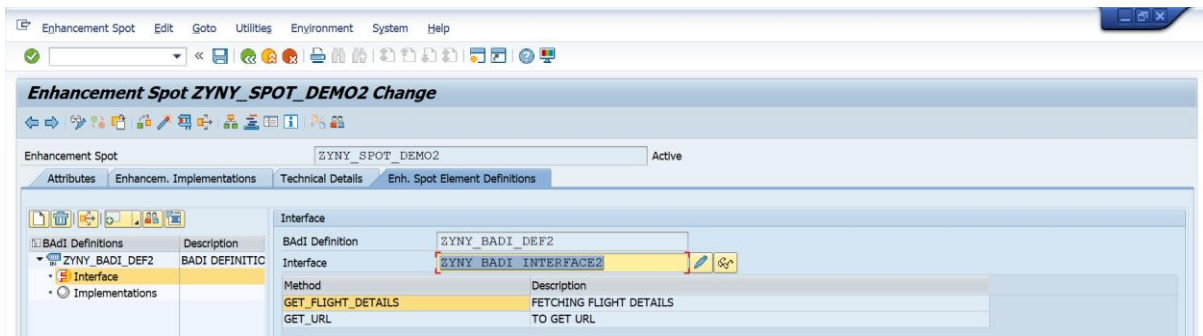
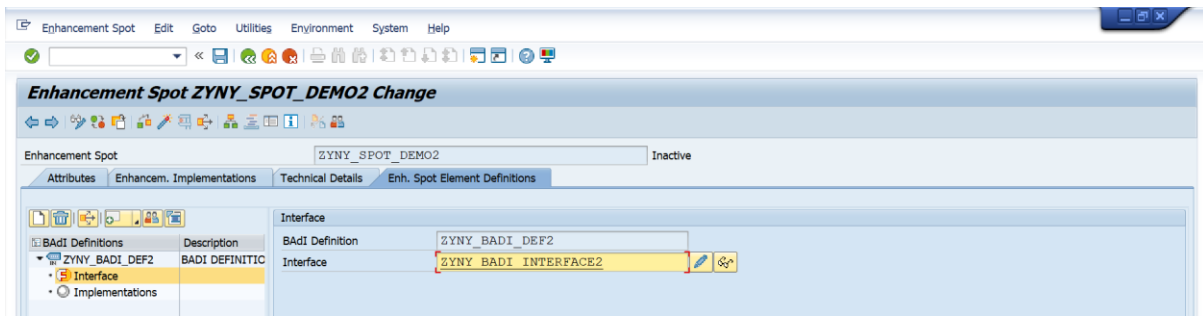
CURRENCY

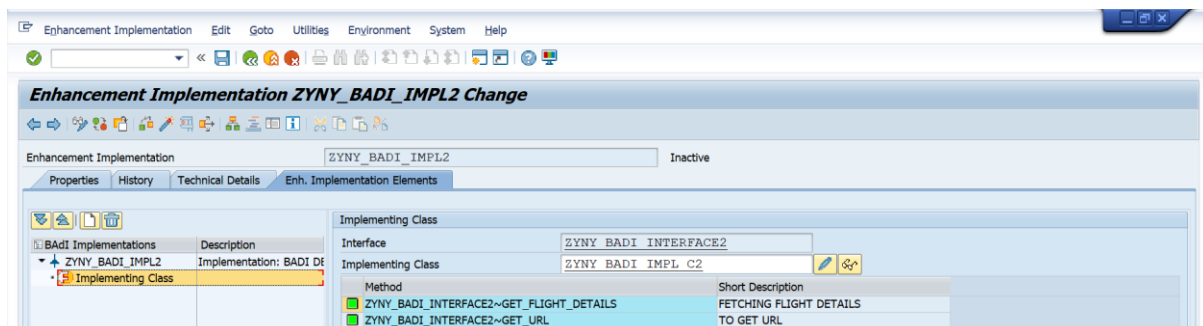
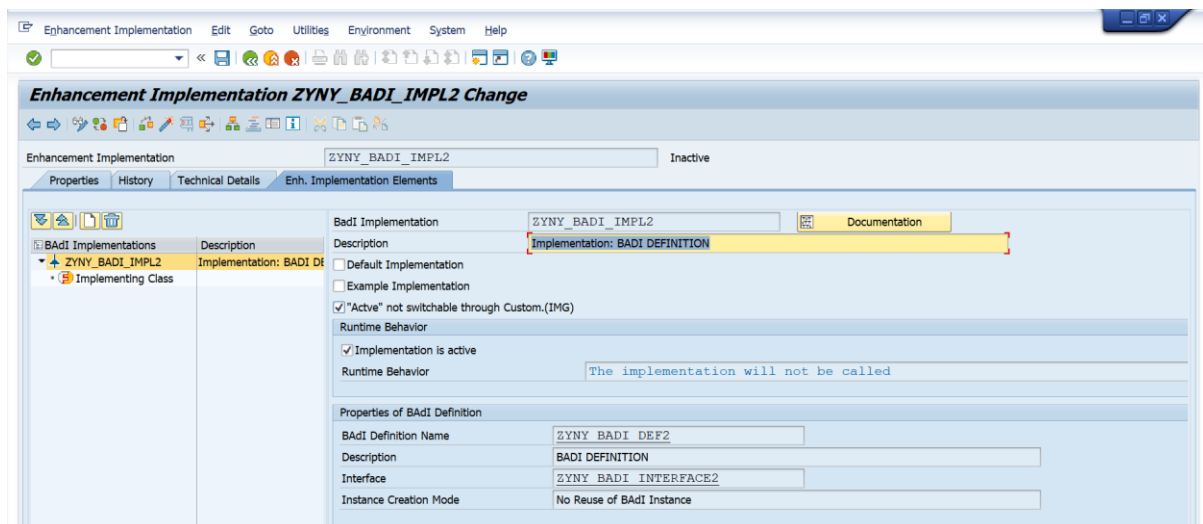
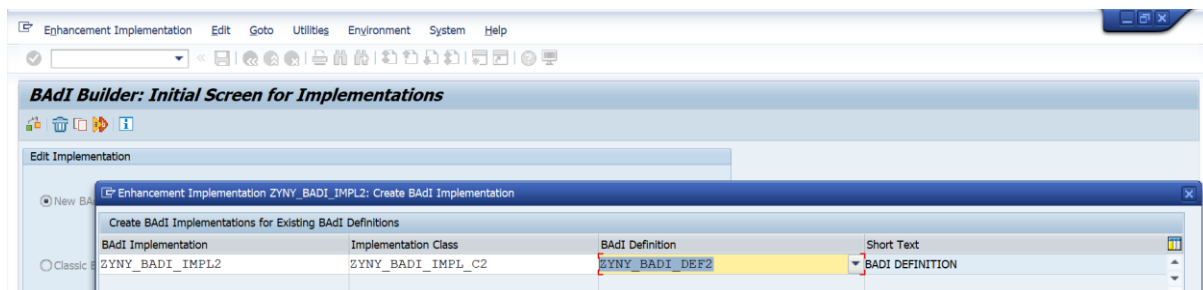
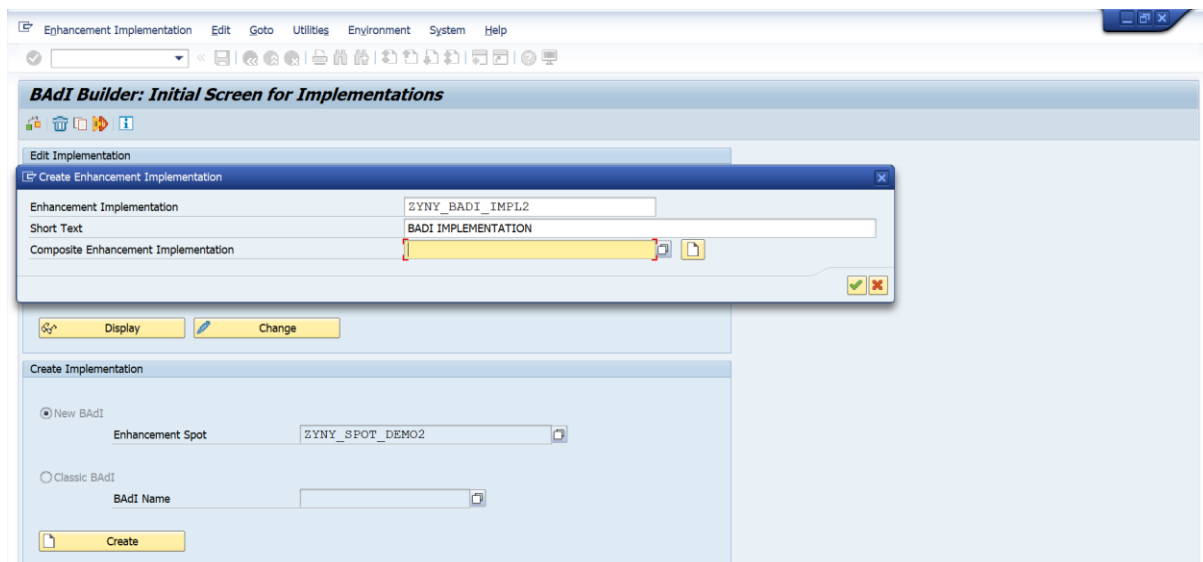
PLANETYPE

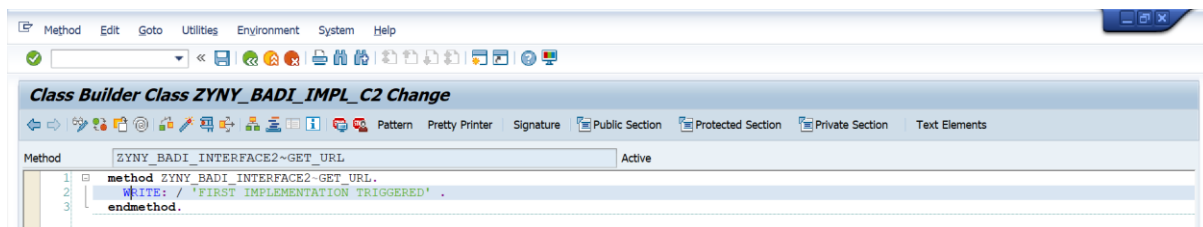
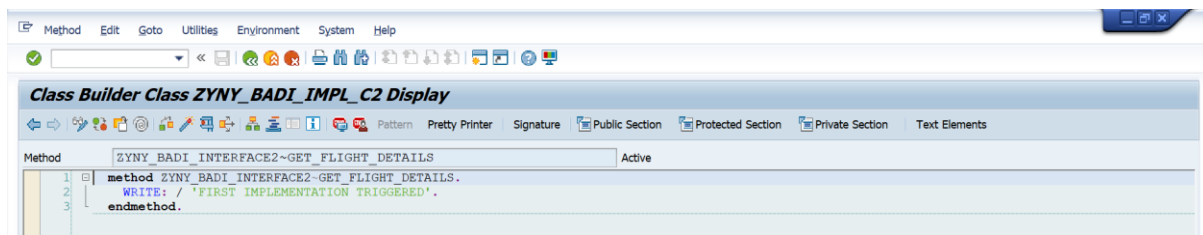
SEATSMAX

URL-SCARR---(From Badi)

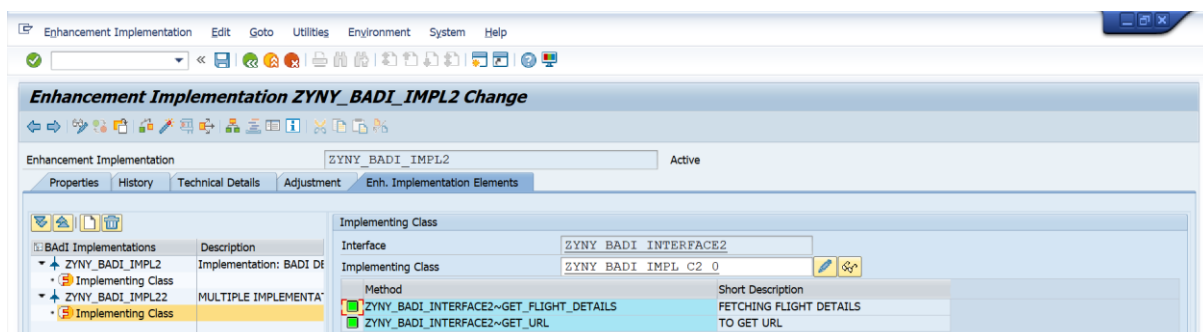
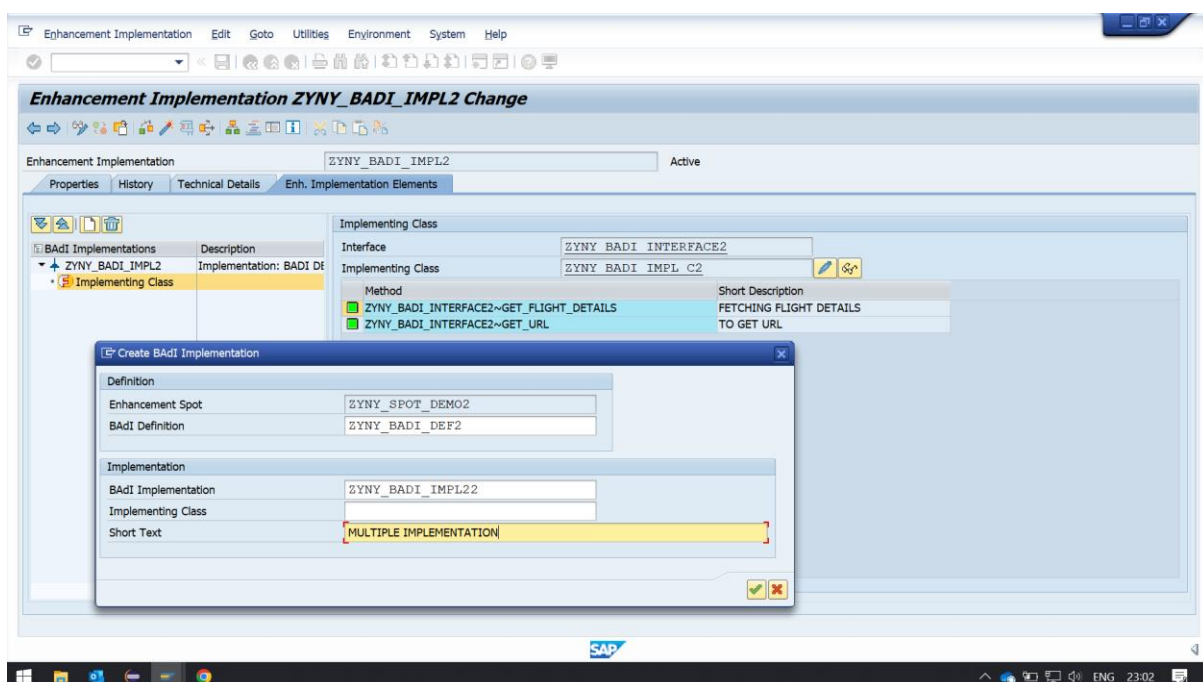


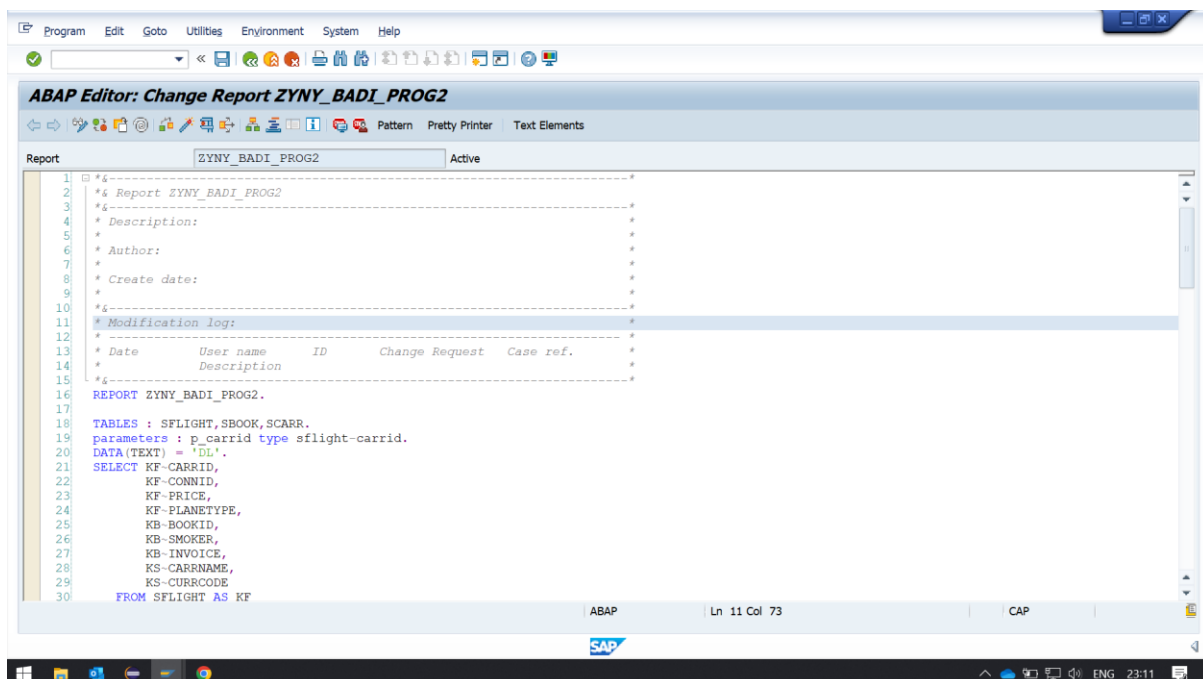
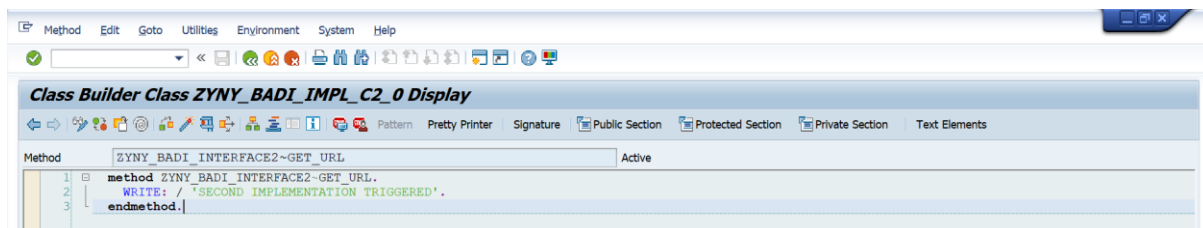
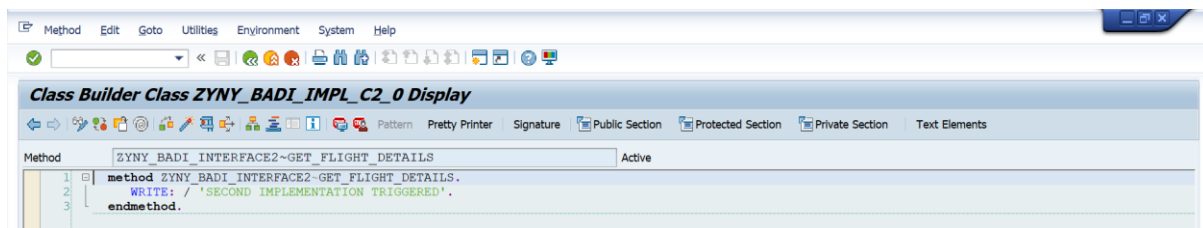






CLICK ON THE NEW BUTTON IN THE SE19





```
*&-----*
*& Report ZYNY_BADI_PROG2
*&-----*
* Description:
*
* Author:
*
* Create date:
*
*&-----*
* Modification log:
*
* Date      User name      ID      Change Request  Case ref.
*           Description
*&-----*
REPORT ZYNY_BADI_PROG2.
```

```
TABLES : SFLIGHT, SBOOK, SCARR.
parameters : p_carrid type sflight-carrid.
DATA(TEXT) = 'DL'.
```

```

SELECT KF~CARRID,
       KF~CONNID,
       KF~PRICE,
       KF~PLANETYPE,
       KB~BOOKID,
       KB~SMOKER,
       KB~INVOICE,
       KS~CARRNAME,
       KS~CURRCODE
  FROM SFLIGHT AS KF
 INNER JOIN SBOOK AS KB ON KF~CARRID = KB~CARRID
 INNER JOIN SCARR AS KS ON KB~CARRID = KS~CARRID
 INTO TABLE @DATA(ITAB)
 UP TO 30 ROWS
 WHERE KF~CARRID = @TEXT.
CL_DEMO_OUTPUT=>DISPLAY_DATA( VALUE = ITAB
                              NAME = 'Booking Details').

"-----"

LOOP AT ITAB INTO DATA(WA).
  WRITE :/ WA-CARRID,(10) WA-CONNID,(15) WA-PRICE,(20) WA-
PLANETYPE,(25) WA-BOOKID,(30) WA-SMOKER.
ENDLOOP.

"-----"

DATA(TEXT1) = 'BA'.
SELECT SINGLE
       KS~CARRNAME AS CA,
       KS~CURRCODE AS CU
  FROM SCARR AS KS
 INTO @DATA(ITAB1)
 WHERE KS~CARRID = @TEXT1.

WRITE : / 'Single record',/ ITAB1-CA, ITAB1-CU.

"-----"

DATA(WA_KS) = ITAB[ 12 ].
CL_DEMO_OUTPUT=>DISPLAY_DATA( VALUE = WA_KS
                              NAME = 'Displaying Index Specific Data' ).

"-----"

DATA(WA_KS1) = ITAB[ CARRID = 'DL' CONNID = '0106' ].
CL_DEMO_OUTPUT=>DISPLAY_DATA( VALUE = WA_KS1
                              NAME = 'Displaying Column Specific Data' ).

"-----"

DATA(TRY) =
COND STRING(
WHEN ITAB1-CA = 'British Airways' THEN
  |BA|
ELSE |No Airlines Found| ).

WRITE :/ 'Conditional Statement Output',/ TRY.

"-----"

TYPES : BEGIN OF TY_SFLIGHT,
       CARRID      TYPE SFLIGHT-CARRID,
       CONNID      TYPE SFLIGHT-CONNID,

```

```

        PRICE      TYPE SFLIGHT-PRICE,
    END OF TY_SFLIGHT,
itab_flight type table of TY_SFLIGHT with key carrid.

DATA(gt_flight) = VALUE itab_flight(
( carrid = 'AA' connid = '0106' price = '20000')
( carrid = 'AA' connid = '0106' price = '30000')
( carrid = 'AZ' connid = '0206' price = '10000') ).
DATA: gv_tot_age TYPE i,
      gv_avg_age TYPE decfloat34.
LOOP AT gt_flight INTO DATA(ls_flight)
    GROUP BY ( carrid = ls_flight-carrid
              size = GROUP SIZE
              index = GROUP INDEX )

    ASCENDING
    ASSIGNING FIELD-SYMBOL(<group>).
    CLEAR: gv_tot_age.
    WRITE: / |Group: { <group>-index }      Carrid: { <group>-
carrid WIDTH = 15 }|
           & |      Number in this Carrid: { <group>-size }|.
    LOOP AT GROUP <group> ASSIGNING FIELD-SYMBOL(<ls_member>).
        WRITE: /13 <ls_member>-carrid,23 <ls_member>-connid,30 <ls_member>-
price.
    ENDLLOOP.

Endloop.
"-----"
*data(ks) = myclass=>get_select( )-carrid.
class myclass definition.
    public section.
    TYPES : BEGIN OF TY_SFLIGHT,
            CARRID      TYPE SFLIGHT-CARRID,
            CONNID      TYPE SFLIGHT-CONNID,
            PRICE       TYPE SFLIGHT-PRICE,
            END OF TY_SFLIGHT.
    data : it_flight type table of ty_sflight.
    methods : get_data
              importing im_carrid type sflight-carrid.
endclass.

class myclass implementation.
    method get_data.
        select carrid connid price
        from sflight into table it_flight
        where carrid = im_carrid.
        cl_demo_output=>display( it_flight ).
    endmethod.
endclass.
START-OF-SELECTION.
data(call_class) = new myclass( ).
create object call_class.
call_class->get_data( EXPORTING im_carrid = p_carrid ).

```

