LIT\_DAY10 - ASSIGNMENT

Name : Pathe Kavya Malathi

Emp.ID;- 46255265.

Batch: sap abap 25.

**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.**

Graphical user interface, text, application

Description automatically generated

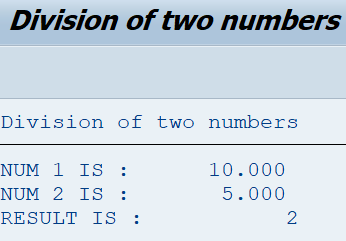
Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

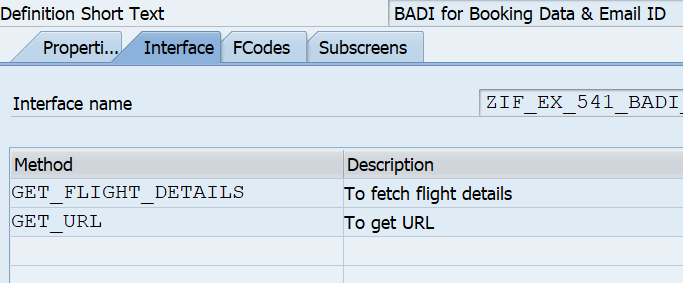
REPORT ZGMG\_DEMO\_BADI.  
  
PARAMETERS: NUM1 TYPE I,  
            NUM2 TYPE I.  
DATA RES TYPE I.  
DATA OBJ TYPE REF TO ZBADI\_DEMO\_132\_INT.  
  
CALL METHOD CL\_EXITHANDLER=>get\_instance  
  EXPORTING  
    exit\_name                     = 'ZBADI\_DEMO\_132\_INT'  
  CHANGING  
    instance                      =   OBJ  
  .  
IF sy-subrc <> 0.  
  MESSAGE 'Error while calling method' TYPE 'I'.  
ENDIF.  
\*CALL METHOD OBJ->divide  
\*  EXPORTING  
\*    i\_num1      = NUM1  
\*    i\_num2      = NUM2  
\*  IMPORTING  
\*    e\_result    = RES  
\*  EXCEPTIONS  
\*    div\_by\_null = 1  
\*  .  
CALL METHOD OBJ->DIVIDENUMBERS  
  EXPORTING  
    I\_NUM1    = NUM1  
    I\_NUM2    = NUM2  
  IMPORTING  
    E\_RESULT  = RES  
  EXCEPTIONS  
    NULLVALUE = 1  
    OTHERS    = 2  
  .  
IF SY-SUBRC <> 0.  
 MESSAGE ID SY-MSGID TYPE SY-MSGTY NUMBER SY-MSGNO  
            WITH SY-MSGV1 SY-MSGV2 SY-MSGV3 SY-MSGV4.  
ENDIF.  
IF sy-subrc = 1.  
  MESSAGE 'Division by zero' TYPE 'I'.  
ELSE.  
    WRITE:/ 'NUM 1 IS : ' , NUM1.  
    WRITE:/ 'NUM 2 IS : ' , NUM2.  
    WRITE:/ 'RESULT IS : ' , RES.  
ENDIF.

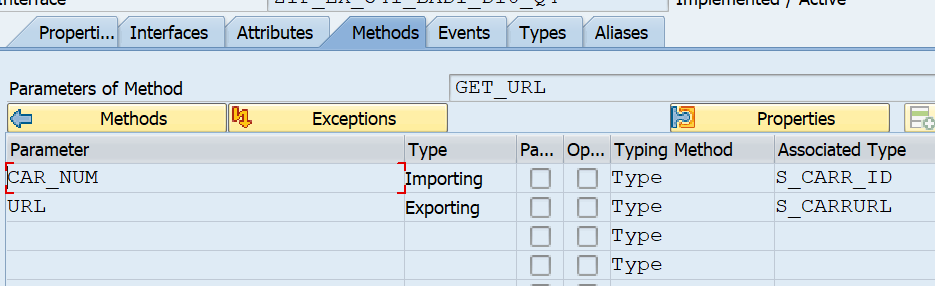


**Assignment 4 – Business Add in (BADI)-Multiple Use**

**Hint:**

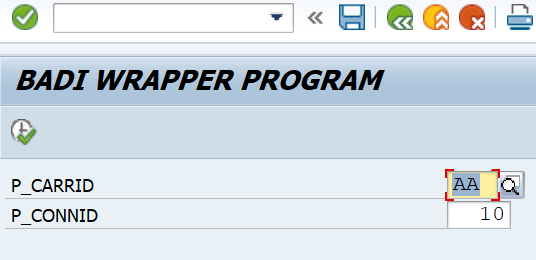
1. **SE18 should be used to define a BADI**
2. **SE19 should be used to implement the BADI Definition.**

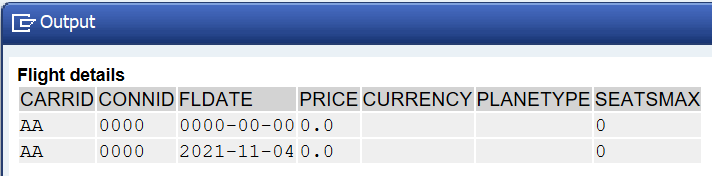


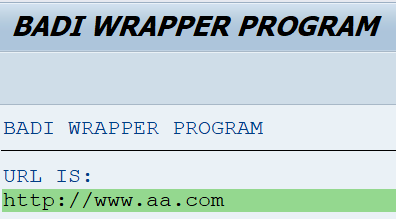


**PROGRAM**

REPORT ZGMG\_BADI\_Q4.  
  
DATA L\_INF TYPE REF TO Z215\_IF\_DAY10\_Q4.                      "Reference variable to the Interface  
  
PARAMETERS: P\_CARRID TYPE S\_CARR\_ID,                                "Parameters for carrier number & Flight number  
            P\_CONNID TYPE S\_CONN\_ID.  
  
DATA: IT\_SFLIGHT TYPE TABLE OF ZGMG\_BADI\_TT.                   "Internal table for structure  
  
CALL METHOD CL\_EXITHANDLER=>GET\_INSTANCE                            "Calling Function module for the execution  
EXPORTING  
    EXIT\_NAME                     = 'ZGMG\_BADI\_Q4'              "BADI Definition  
CHANGING  
    INSTANCE                      = L\_INF                           "Interface instance  
EXCEPTIONS  
    NO\_REFERENCE                  = 1  
    NO\_INTERFACE\_REFERENCE        = 2  
    NO\_EXIT\_INTERFACE             = 3  
    CLASS\_NOT\_IMPLEMENT\_INTERFACE = 4  
    SINGLE\_EXIT\_MULTIPLY\_ACTIVE   = 5  
    CAST\_ERROR                    = 6  
    EXIT\_NOT\_EXISTING             = 7  
    DATA\_INCONS\_IN\_EXIT\_MANAGEM   = 8  
OTHERS                        = 9  
.  
IF SY-SUBRC <> 0.  
ENDIF.  
  
L\_INF->GET\_FLIGHT\_DETAILS(                                                "Calling method for getting flight details using interface reference  
EXPORTING  
    CAR\_NUM      =   P\_CARRID  " Carrier Name  
    FLIGHT\_NUM     =   P\_CONNID  " Flight Number  
IMPORTING  
    FLIGHT\_DETAILS =   IT\_SFLIGHT " Table type for filght details - 538  
EXCEPTIONS  
OTHERS         = 2  
).  
IF SY-SUBRC <> 0.  
MESSAGE 'DATA NOT PROCESSED' TYPE 'E'.  
ENDIF.  
  
CL\_DEMO\_OUTPUT=>DISPLAY(                                                  "To display the table  
EXPORTING  
DATA =  IT\_SFLIGHT   " Text or Data  
    NAME =  'Flight details'  
).  
  
L\_INF->GET\_URL(                                                           "Calling method to get url for given carrid  
EXPORTING  
    CAR\_NUM =  P\_CARRID   " Carrier Name  
IMPORTING  
    URL       =  DATA(URL)  " Airline URL  
).  
  
WRITE: 'URL IS:',URL COLOR 5.

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