**DAY-10 ASSIGNMENT**

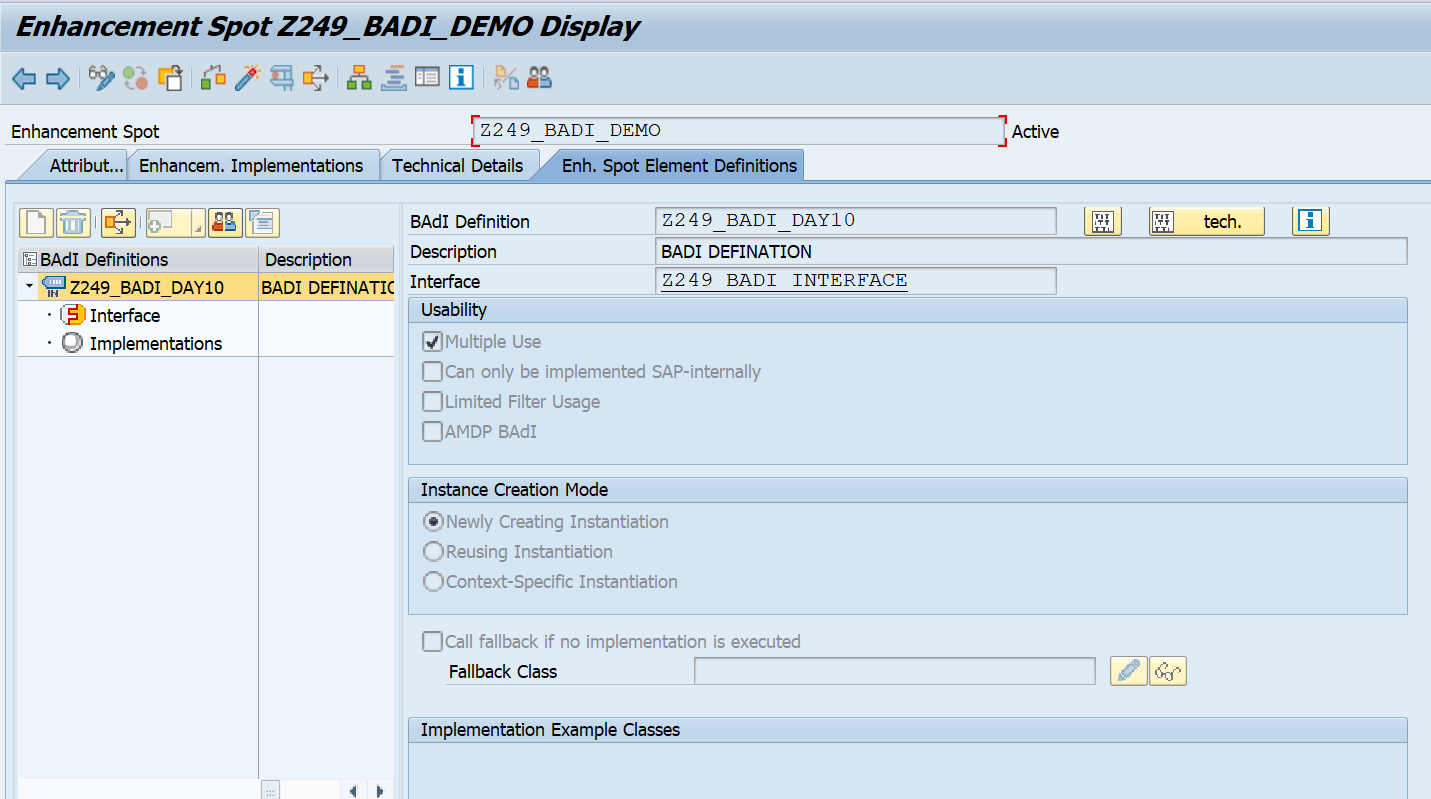
**NAME: SUDHA SREELATHA**

**EMP ID: 46255249**

**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

Description automatically generated

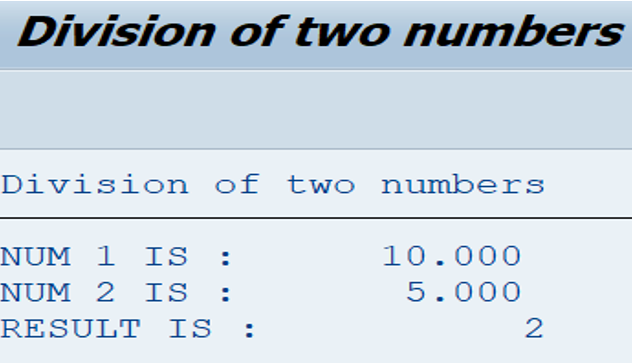
Graphical user interface, application

Description automatically generated

**CODE:**

\*&---------------------------------------------------------------------\*  
\*& Report Z249\_DEMO\_BADI  
\*&---------------------------------------------------------------------\*  
\* Description:                                                         \*  
\*                                                                      \*  
\* Author:                                                              \*  
\*                                                                      \*  
\* Create date:                                                         \*  
\*                                                                      \*  
\*&---------------------------------------------------------------------\*  
\* Modification log:                                                    \*  
\* -------------------------------------------------------------------- \*  
\* Date        User name      ID       Change Request   Case ref.       \*  
\*             Description                                              \*  
\*&---------------------------------------------------------------------\*  
REPORT Z249\_DEMO\_BADI.  
PARAMETERS: NUM1 TYPE I,  
            NUM2 TYPE I.  
DATA RES TYPE I.  
DATA OBJ TYPE REF TO Z249\_BADI\_INTERFACE.  
  
CALL METHOD CL\_EXITHANDLER=>get\_instance  
  EXPORTING  
    exit\_name                     = 'Z249\_BADI\_INTERFACE'  
  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.

**OUTPUT:**

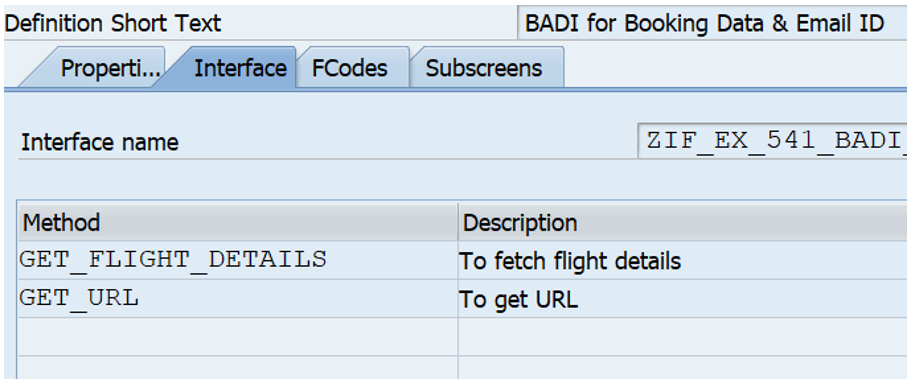


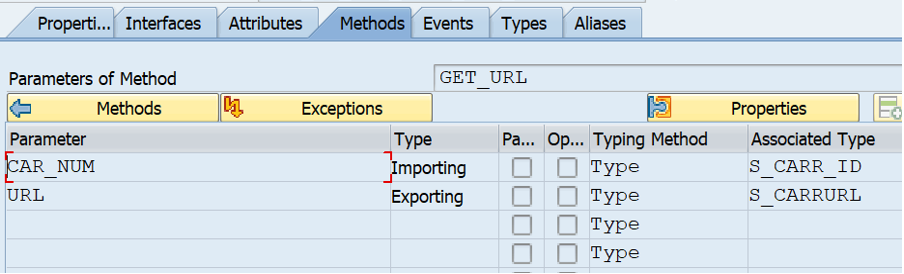
**Assignment 4 – Business Add in (BADI)-Multiple Use**

**Hint:**

1. **SE18 should be used to define a BADI**

2. **SE19 should be used to implement the BADI Definition.**

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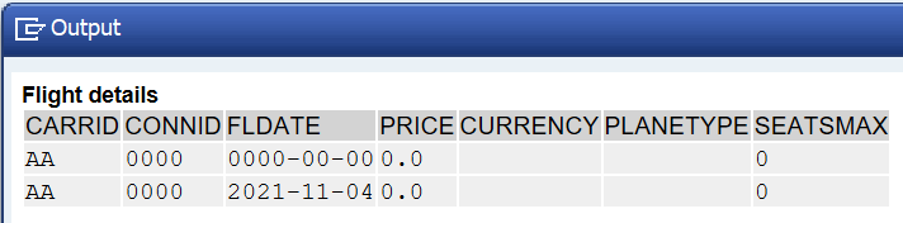
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**CODE:**

\*&---------------------------------------------------------------------\*  
\*& Report Z249\_BADI\_DAY10\_Q3  
\*&---------------------------------------------------------------------\*  
\* Description:                                                         \*  
\*                                                                      \*  
\* Author:                                                              \*  
\*                                                                      \*  
\* Create date:                                                         \*  
\*                                                                      \*  
\*&---------------------------------------------------------------------\*  
\* Modification log:                                                    \*  
\* -------------------------------------------------------------------- \*  
\* Date        User name      ID       Change Request   Case ref.       \*  
\*             Description                                              \*  
\*&---------------------------------------------------------------------\*  
REPORT Z249\_BADI\_DAY10\_Q3.  
  
DATA LV\_IF TYPE REF TO Z249\_BADI\_INTERFACE.    "Reference object declaration for Interface  
  
DATA RESULT TYPE INT4.                          "Variable for result  
  
PARAMETERS: NUM1 TYPE INT4,                     "Parameter for 1st number  
            NUM2 TYPE INT4.                     "Parameter for 2nd number  
  
CL\_EXITHANDLER=>GET\_INSTANCE(  
  EXPORTING  
    EXIT\_NAME                     = 'Z249\_BADI\_DEMO'    " BADI Definition  
  CHANGING  
    INSTANCE                      =  LV\_IF   "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.  
  
LV\_IF->DIVIDENUMBERS(  
  EXPORTING                                                                       "Sending the 2 numbers to the method for calculation  
    I\_NUM1                  =   NUM1  " First number  
    I\_NUM2                  =   NUM2  " Second number  
  IMPORTING                                                                       "Receiving the result from the method  
    E\_RESULT                =   RESULT   " Natural number  
  EXCEPTIONS  
    OTHERS                  = 2  
).  
IF SY-SUBRC = 1.  
  MESSAGE 'Division with zero is undefined' TYPE 'E'.  
ENDIF.  
  
WRITE:/ 'Result is : ',RESULT.                            "Printing the result

**OUTPUT:**

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