**LIT TRAINING**

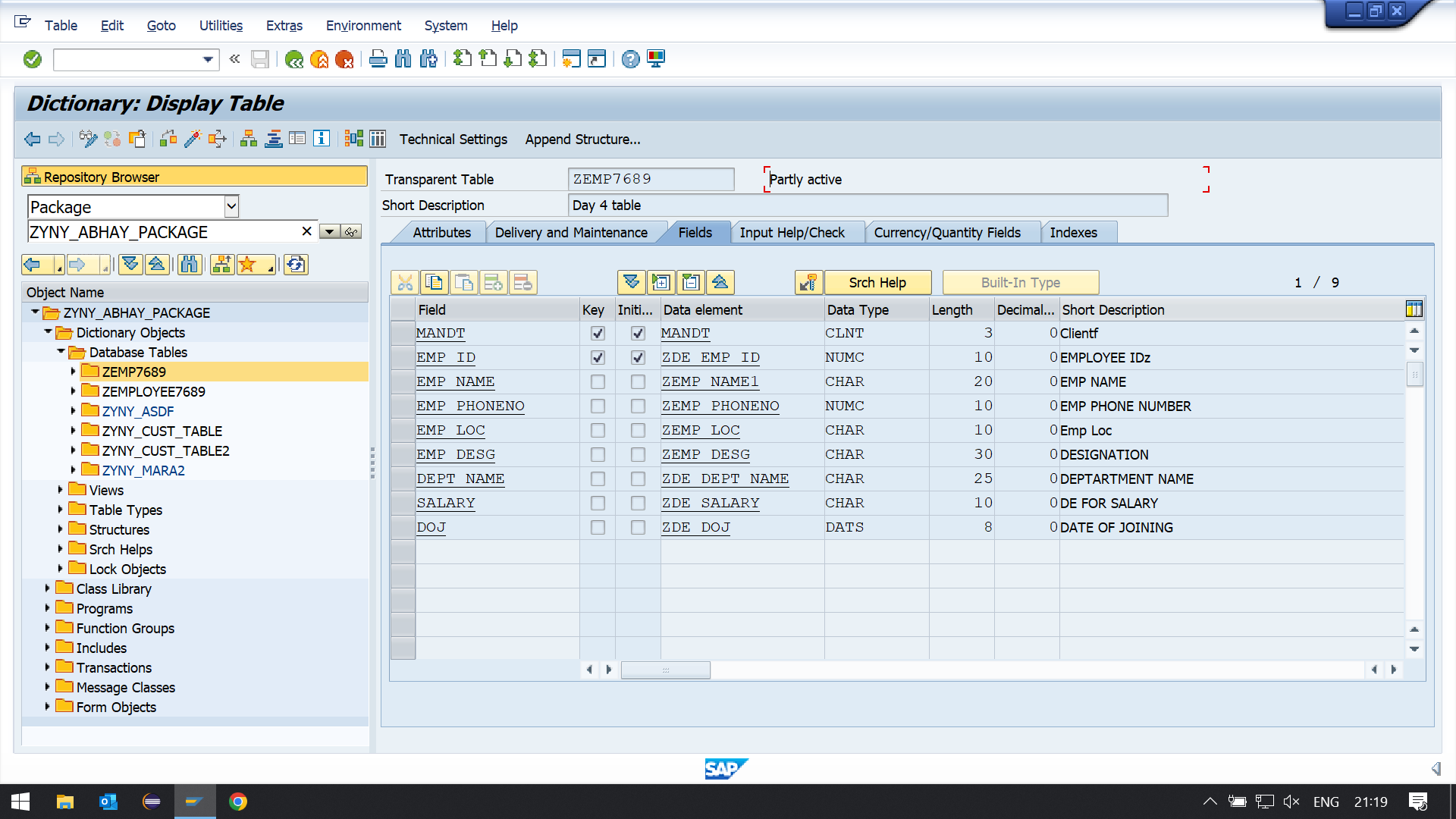
**Batch Name - SAP ABAP - 25                                                            DAY 8 ASSIGNMENT**

**EMPLOYEE ID – 46247689**

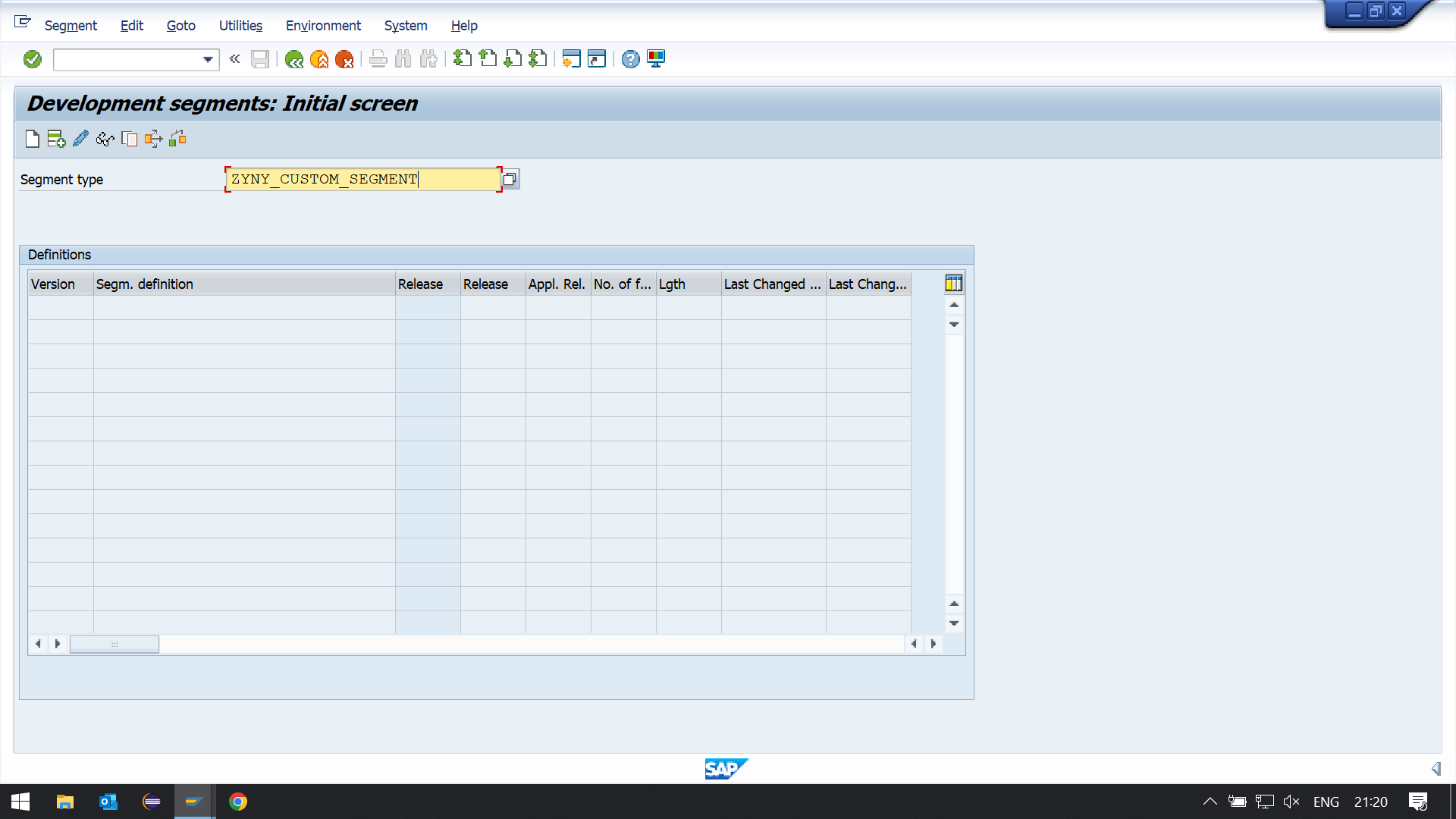
**1. Create a custom Idoc whose fields refers to a custom table.**

**Create a Custom Segment, Idoc type, & Message Type in IDOC.(Tools Used we31,we30).**

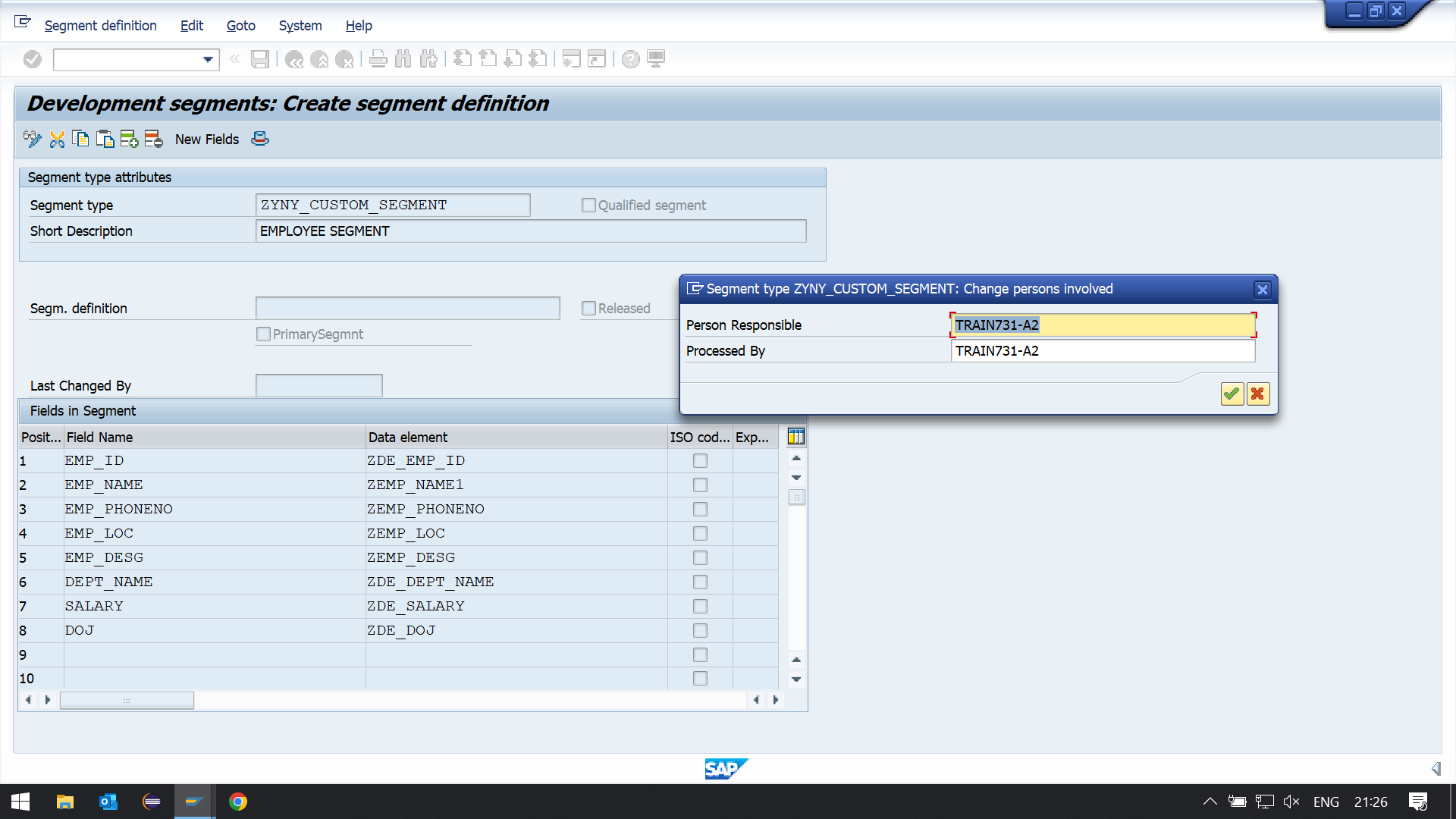
**CUSTOM TABLE :**

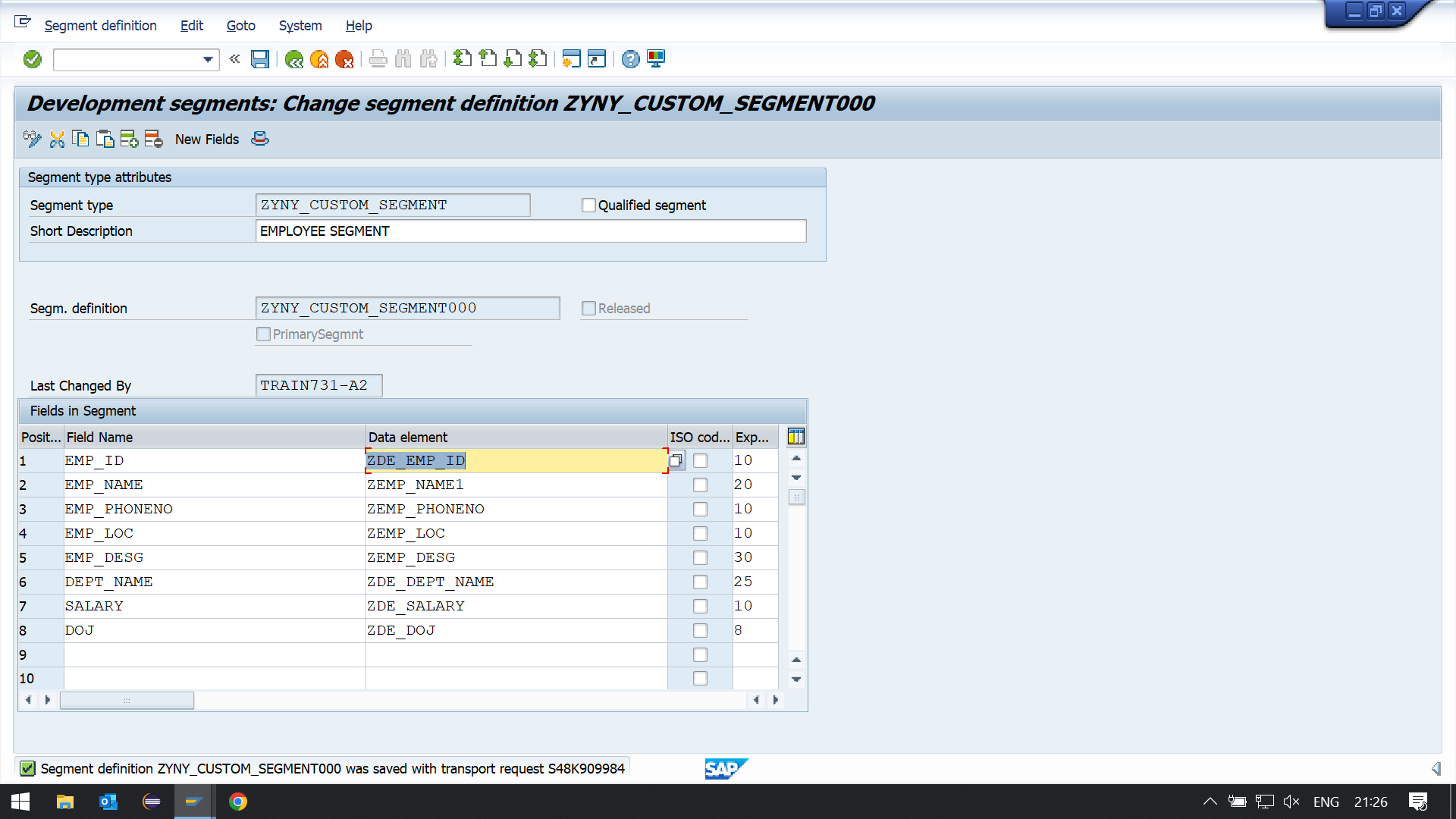


**Creation of IDOC Segment (WE31):**

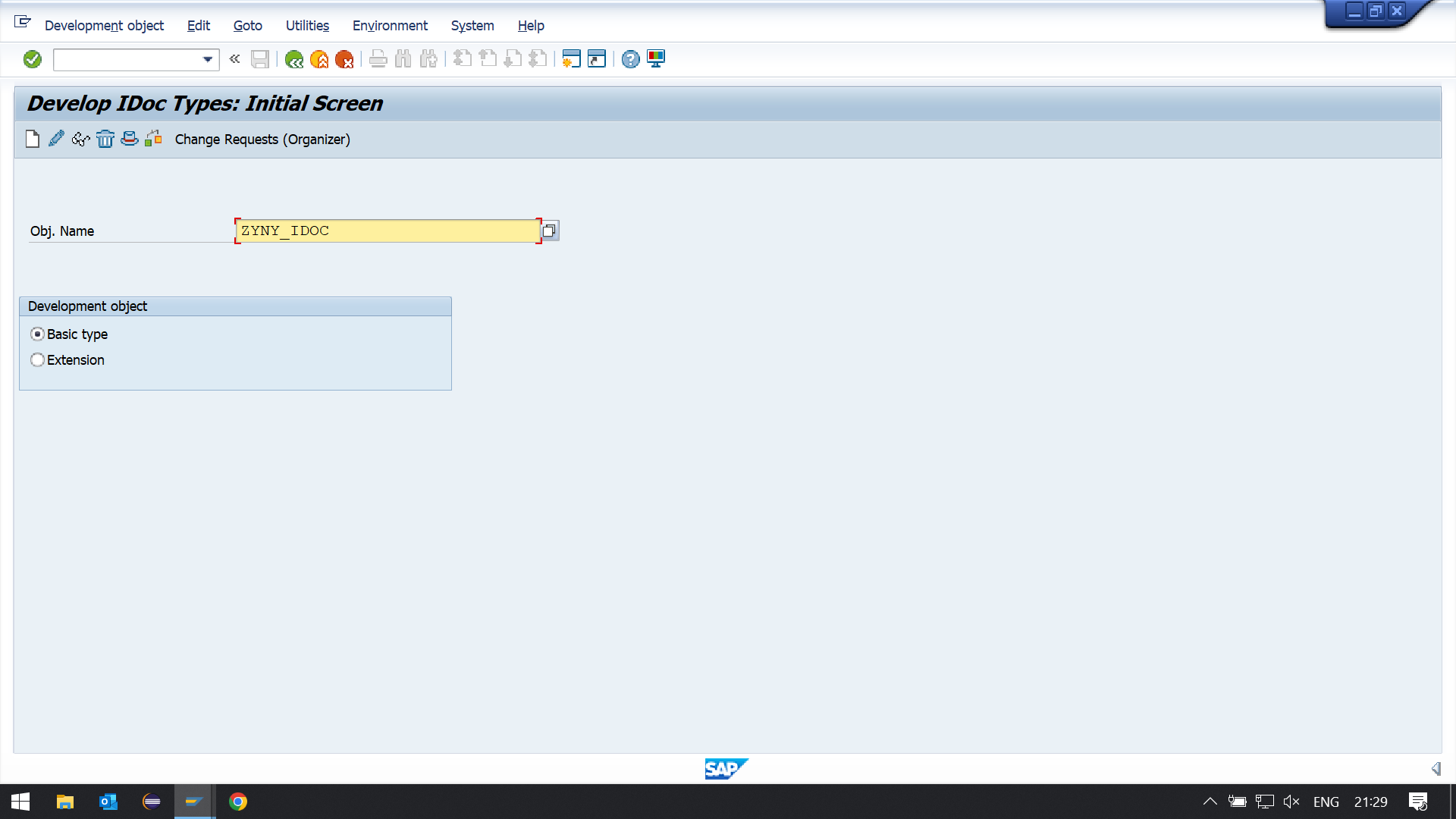


**Enter the names of variables and the data elements**

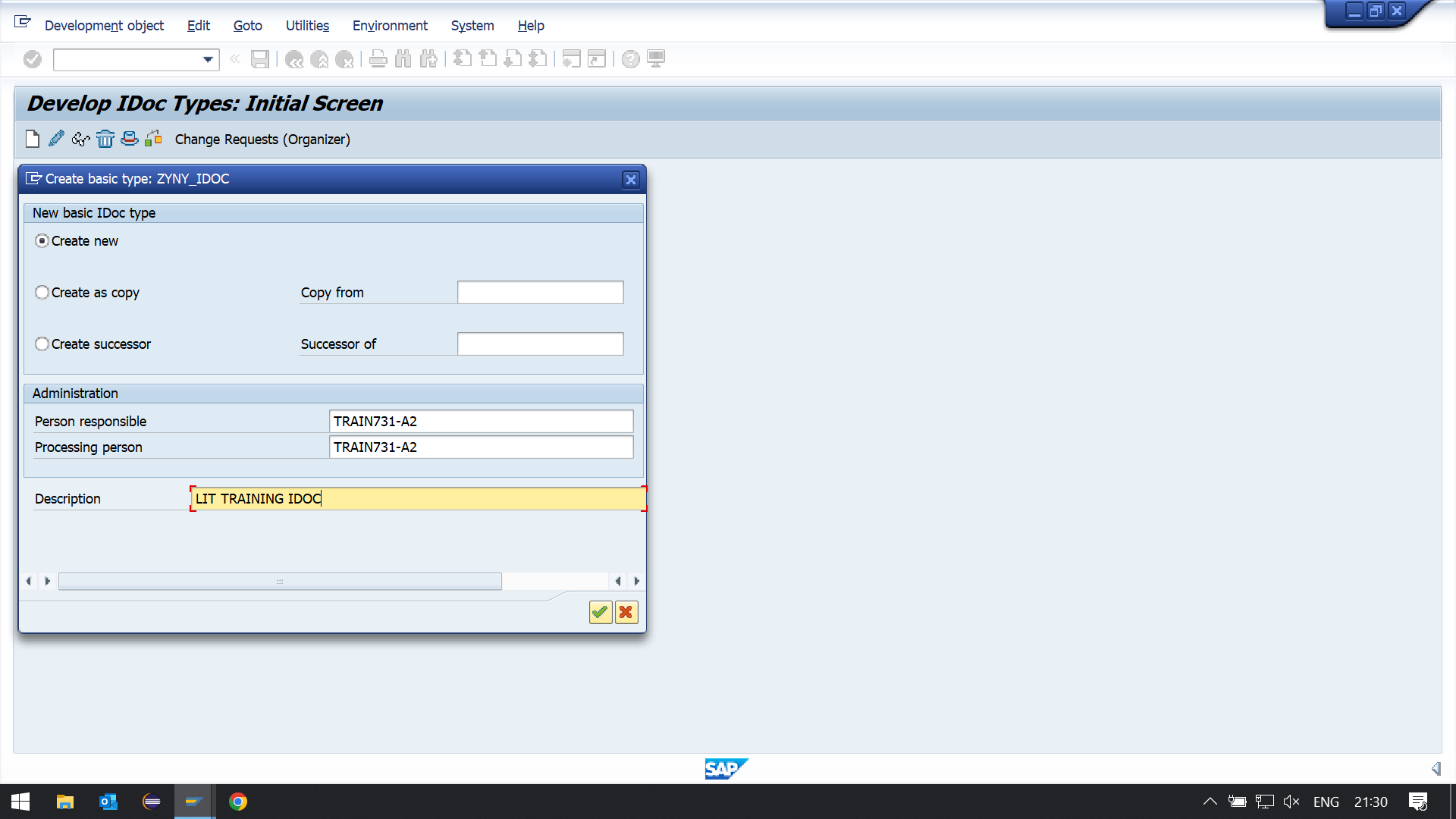


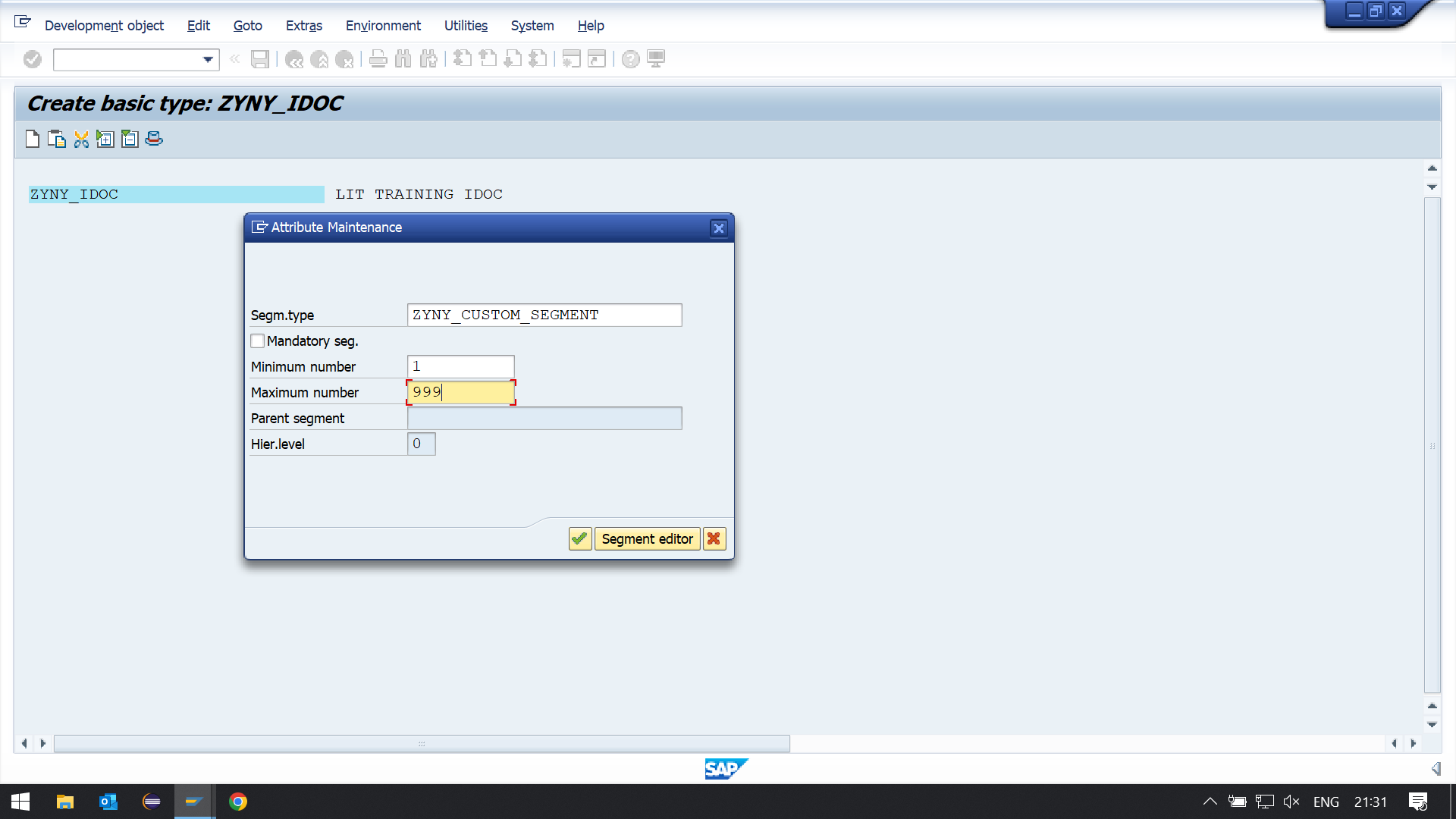


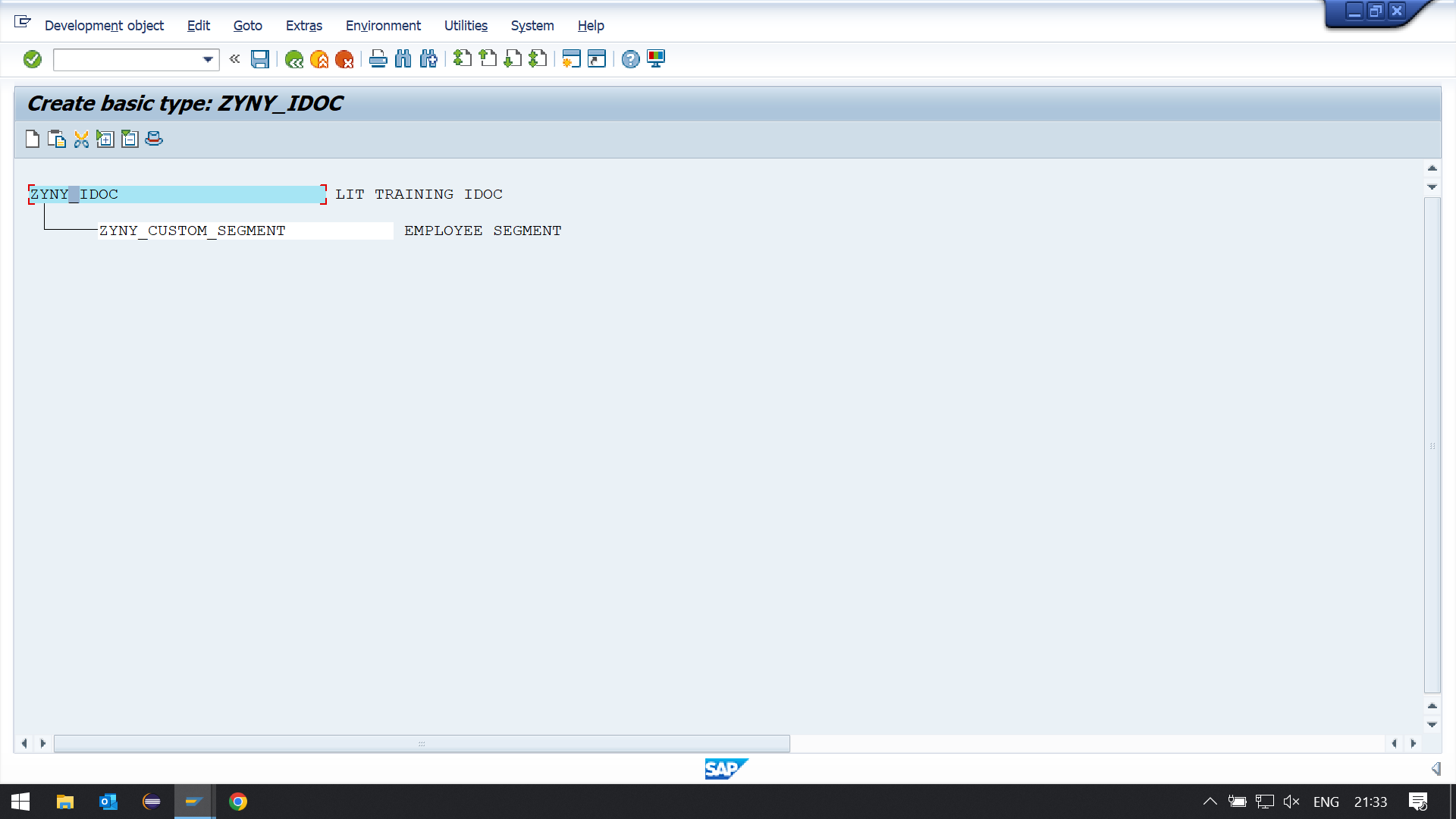
**Creation of IDoc Type (WE30):**



**The system prompts you to enter a type of segment and its attributes.**

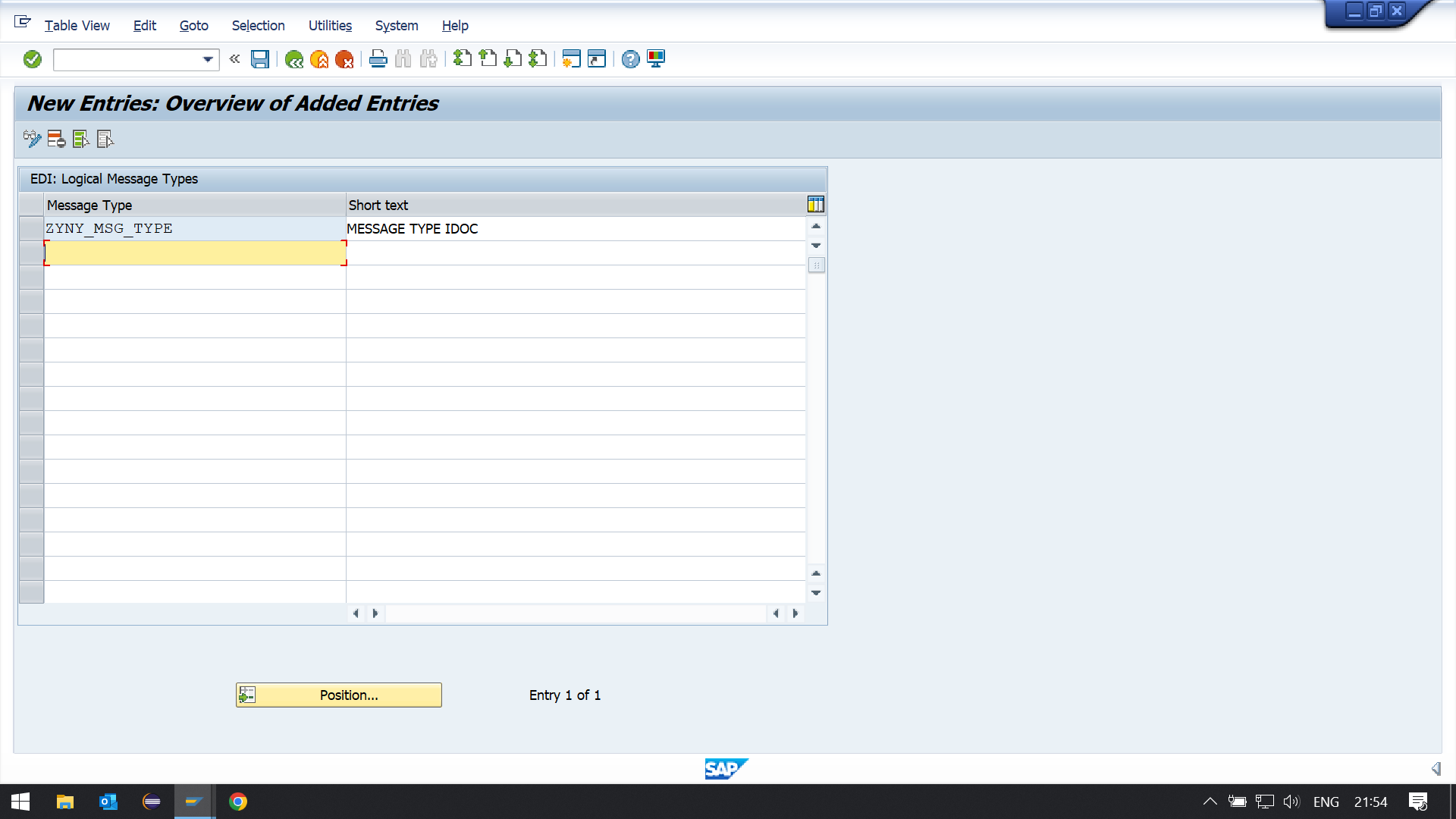






**GO TO WE81**

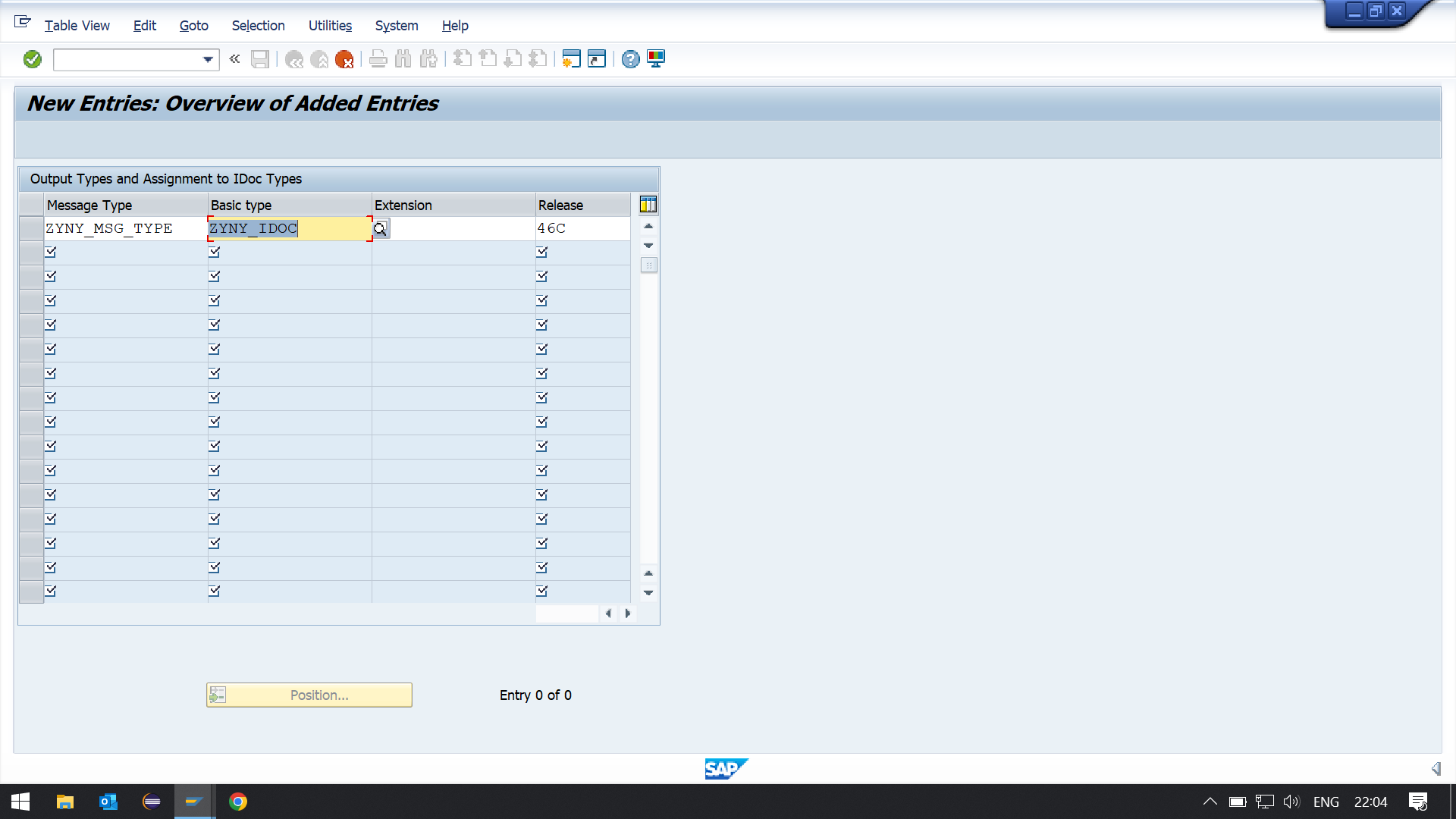
**SWITCH TO CHANGE**

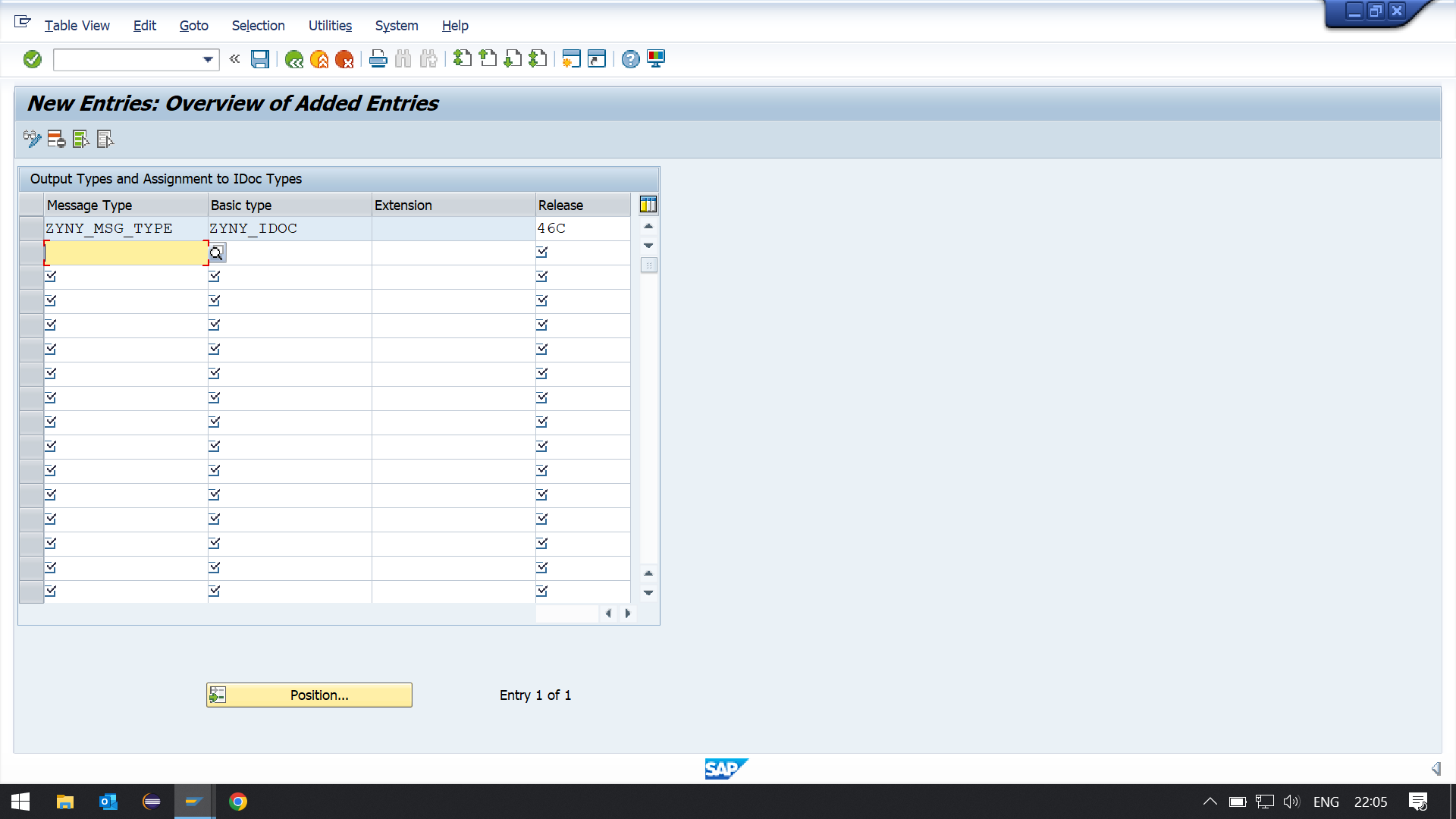


**Assign message type Idoc type in we82.**

**GO TO WE82**

**SWITCH TO CHANGE**





**2. Create an inbound function module to update the data in a custom table.**

**Below input output fields needed:**

**\*"\*"Local Interface:**

**\*" IMPORTING**

**\*" REFERENCE(INPUT\_METHOD) LIKE BDWFAP\_PAR-INPUTMETHD**

**\*" REFERENCE(MASS\_PROCESSING) LIKE BDWFAP\_PAR-MASS\_PROC**

**\*" EXPORTING**

**\*" REFERENCE(WORKFLOW\_RESULT) LIKE BDWF\_PARAM-RESULT**

**\*" REFERENCE(APPLICATION\_VARIABLE) LIKE BDWF\_PARAM-APPL\_VAR**

**\*" REFERENCE(IN\_UPDATE\_TASK) LIKE BDWFAP\_PAR-UPDATETASK**

**\*" REFERENCE(CALL\_TRANSACTION\_DONE) LIKE BDWFAP\_PAR-CALLTRANS**

**\*" TABLES**

**\*" IDOC\_CONTRL STRUCTURE EDIDC**

**\*" IDOC\_DATA STRUCTURE EDIDD**

**\*" IDOC\_STATUS STRUCTURE BDIDOCSTAT**

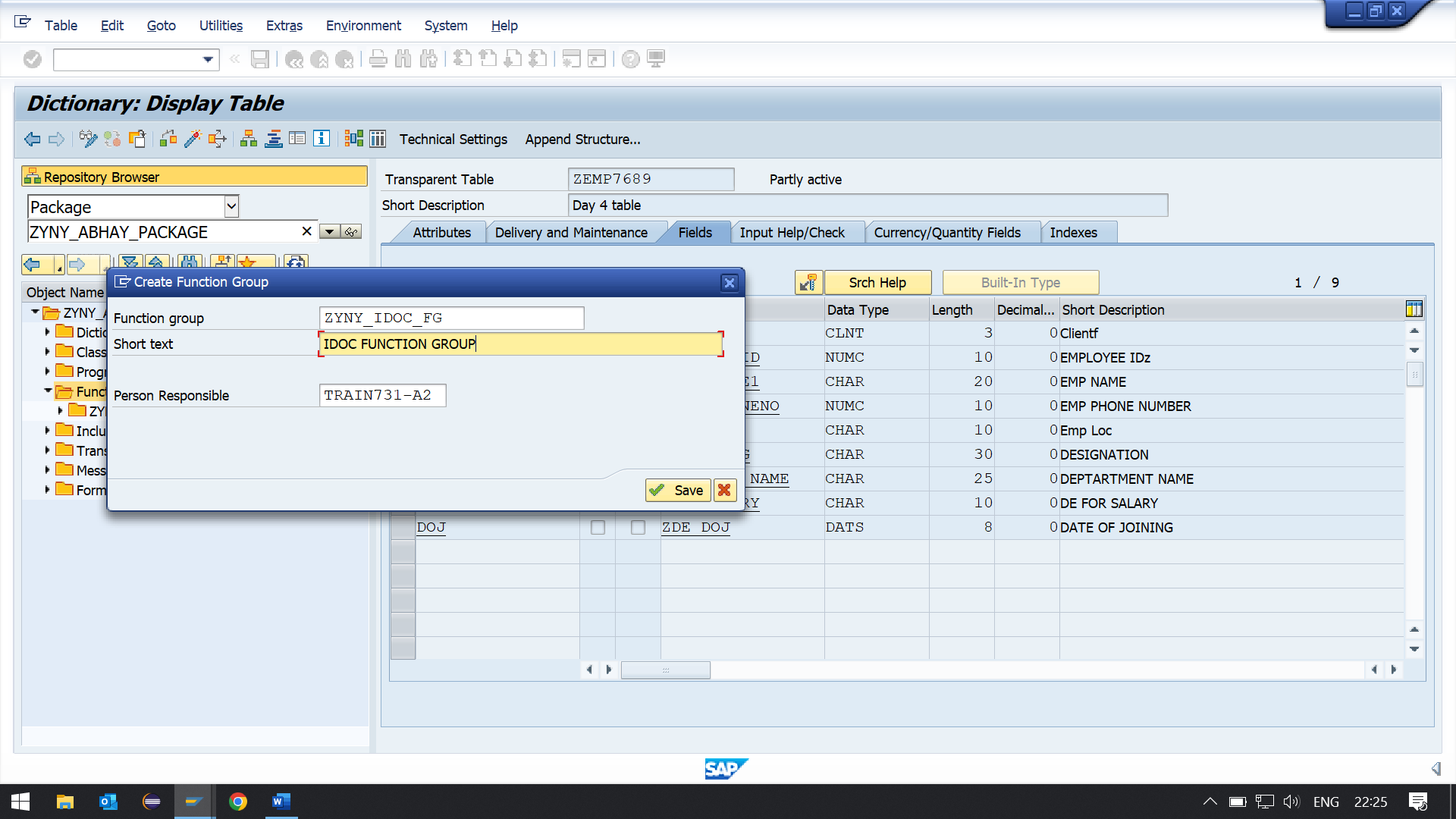
**\*" RETURN\_VARIABLES STRUCTURE BDWFRETVAR**

**\*" SERIALIZATION\_INFO STRUCTURE BDI\_SER**

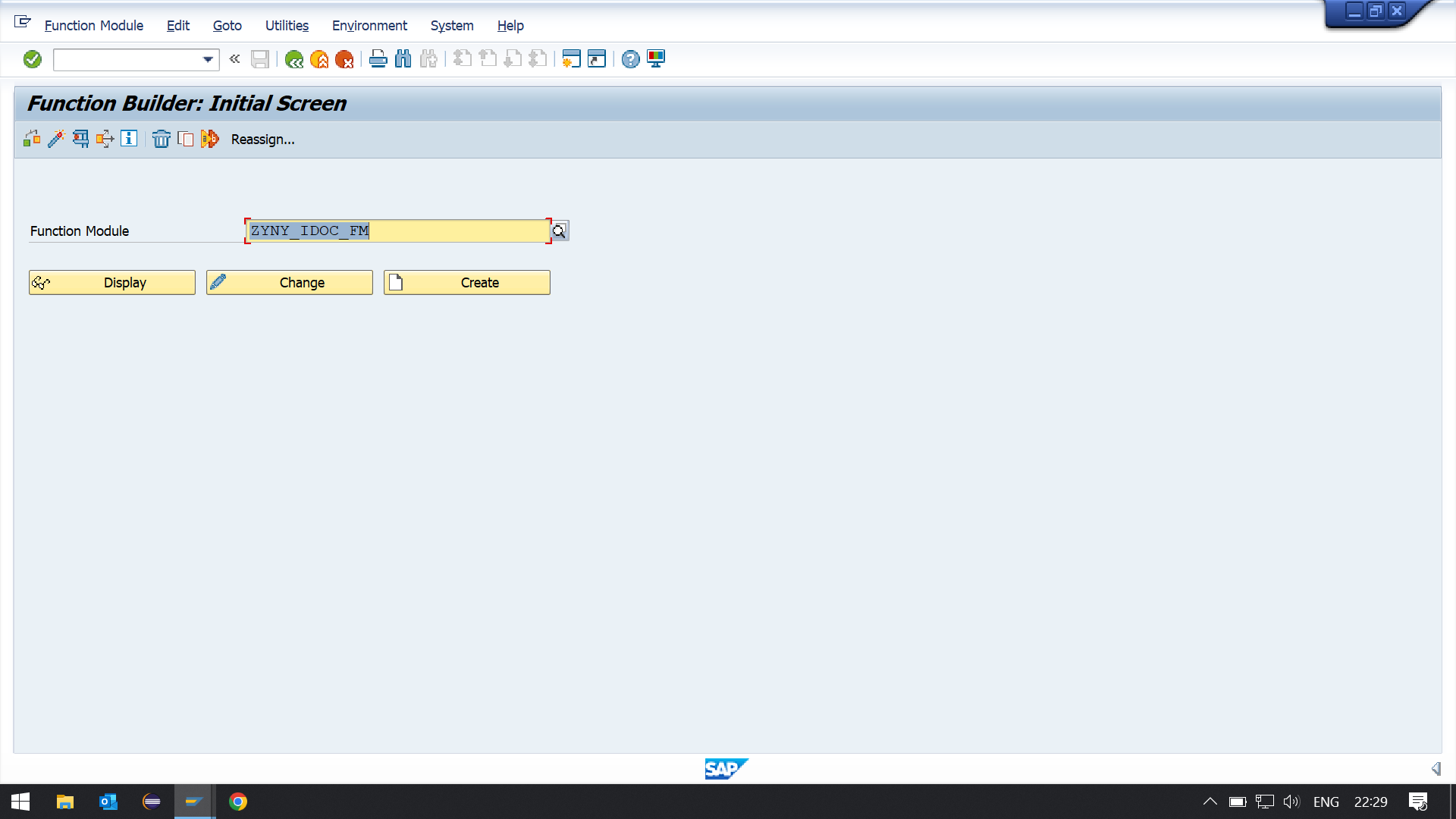
**\*" EXCEPTIONS**

**\*" WRONG\_FUNCTION\_CALLED**

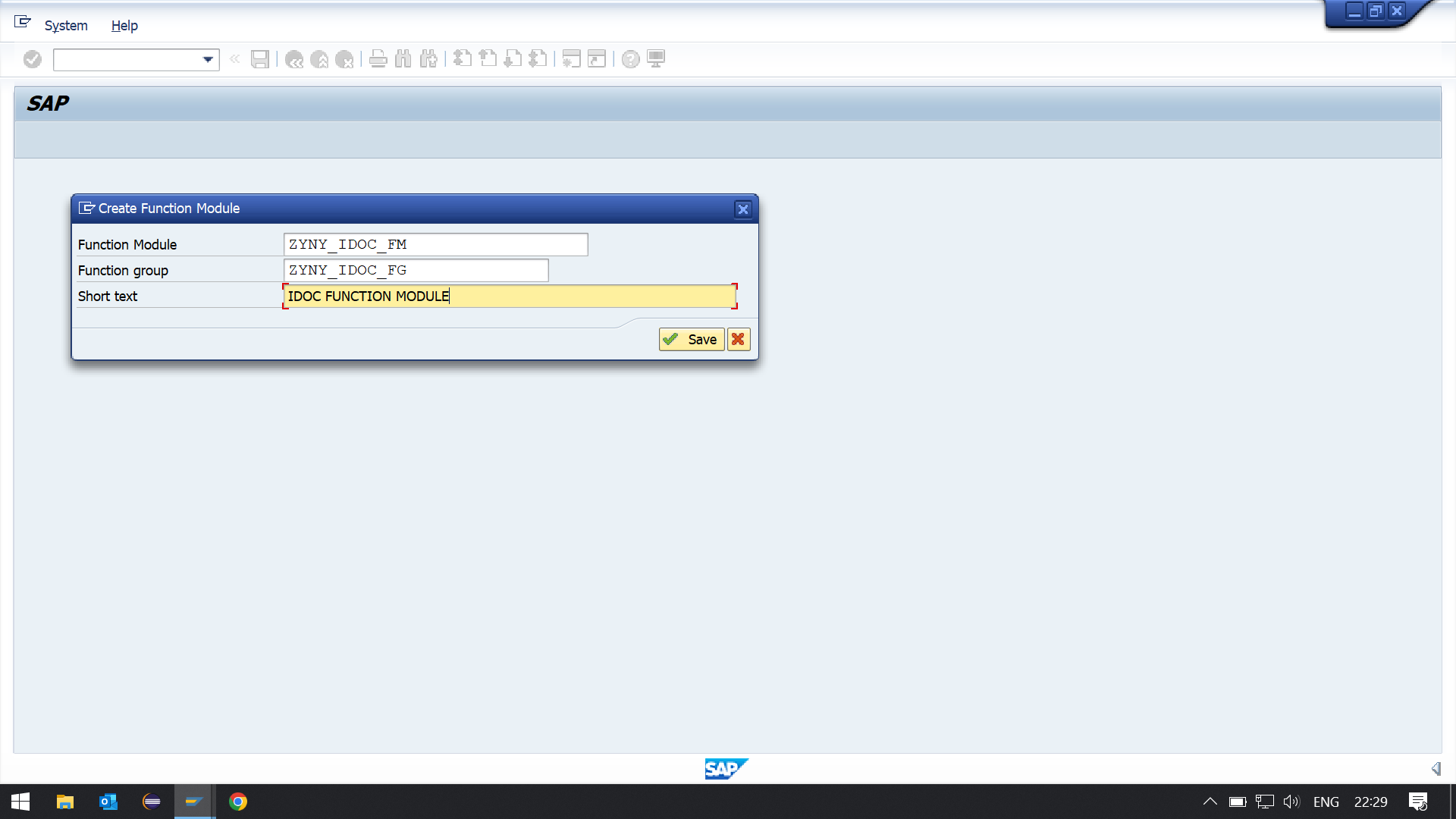
**STEP 1: FUNCTION GROUP CREATION (SE80).**

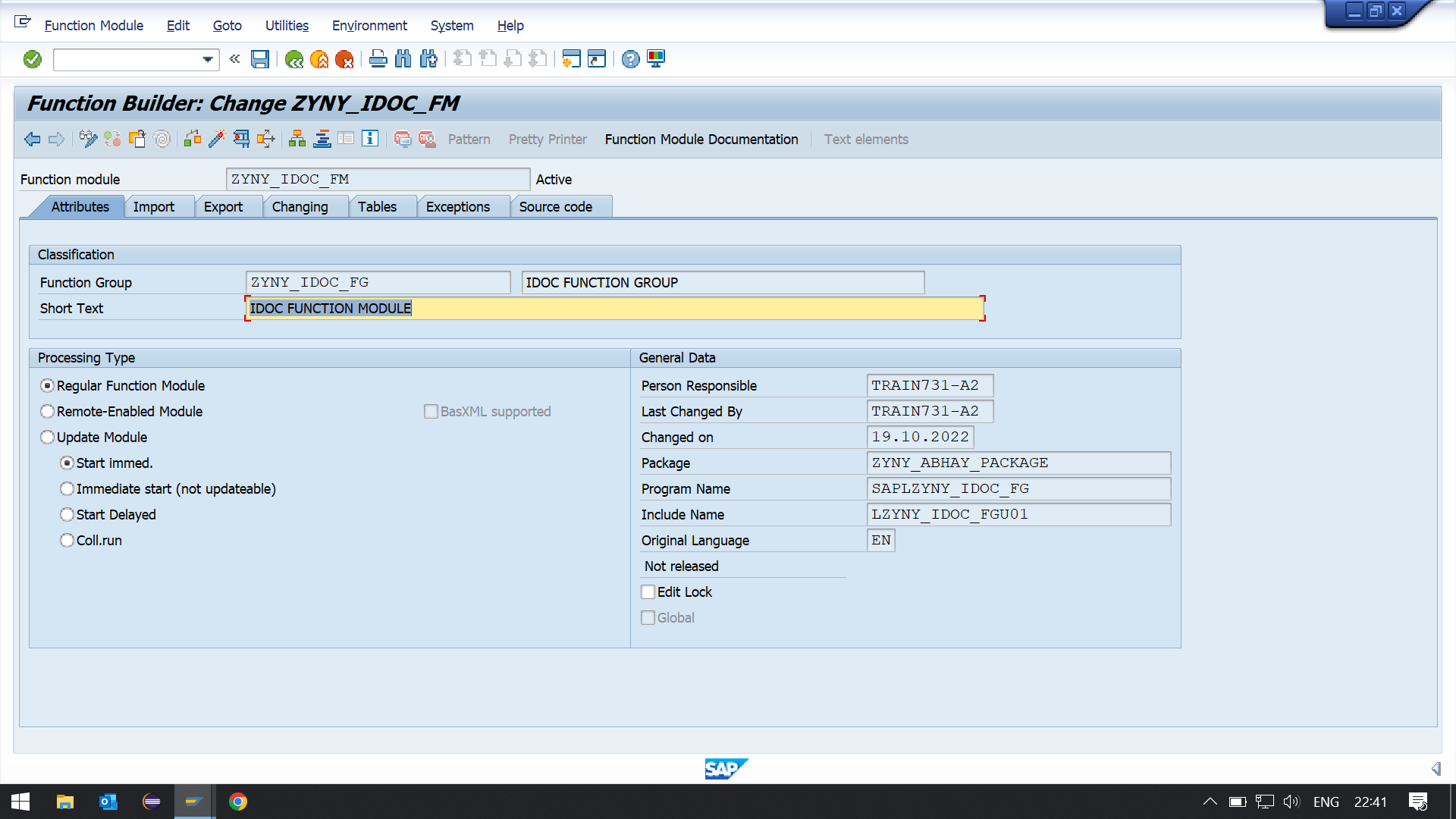


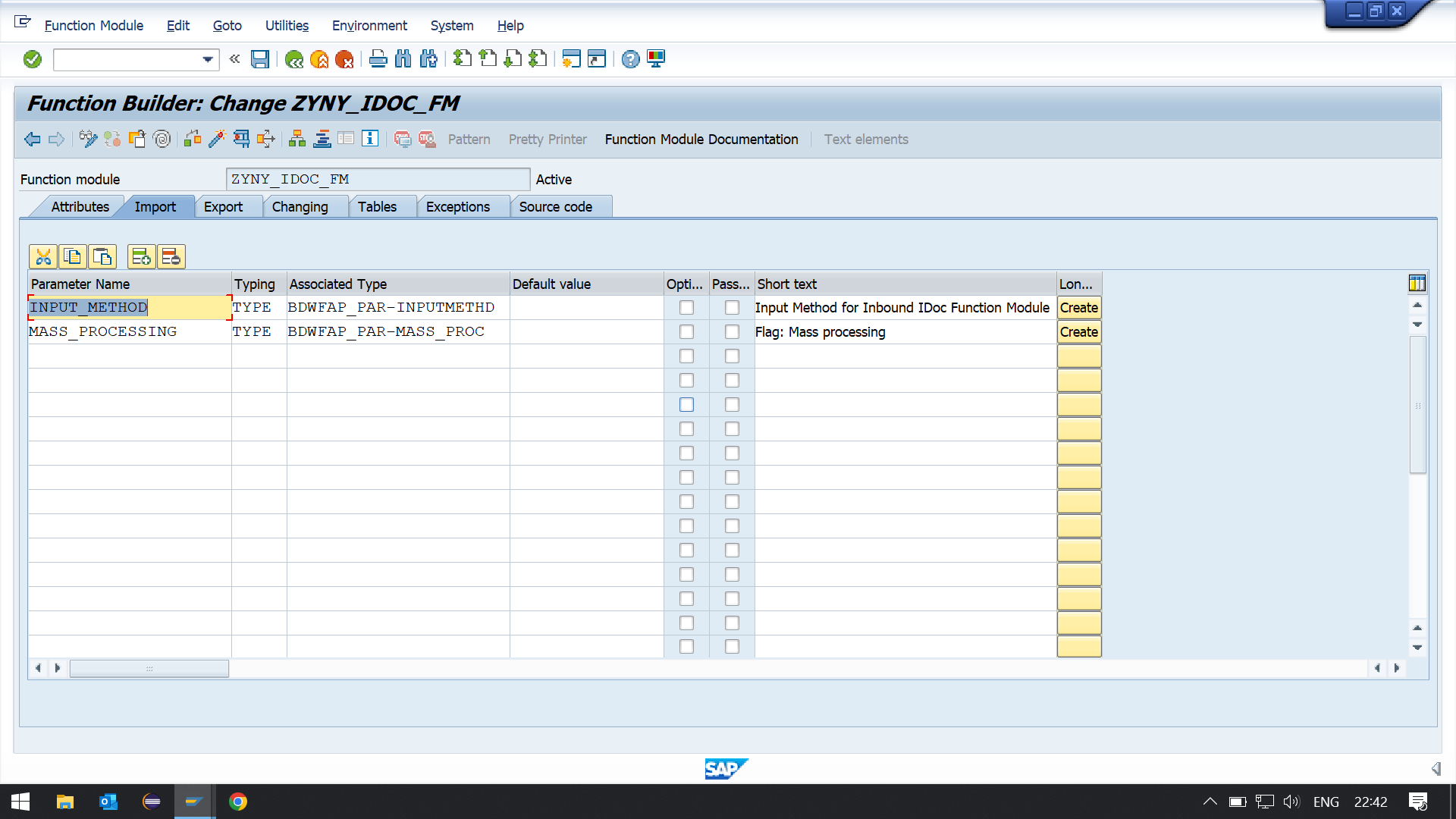
**FUNCTION MODULE(SE37):**

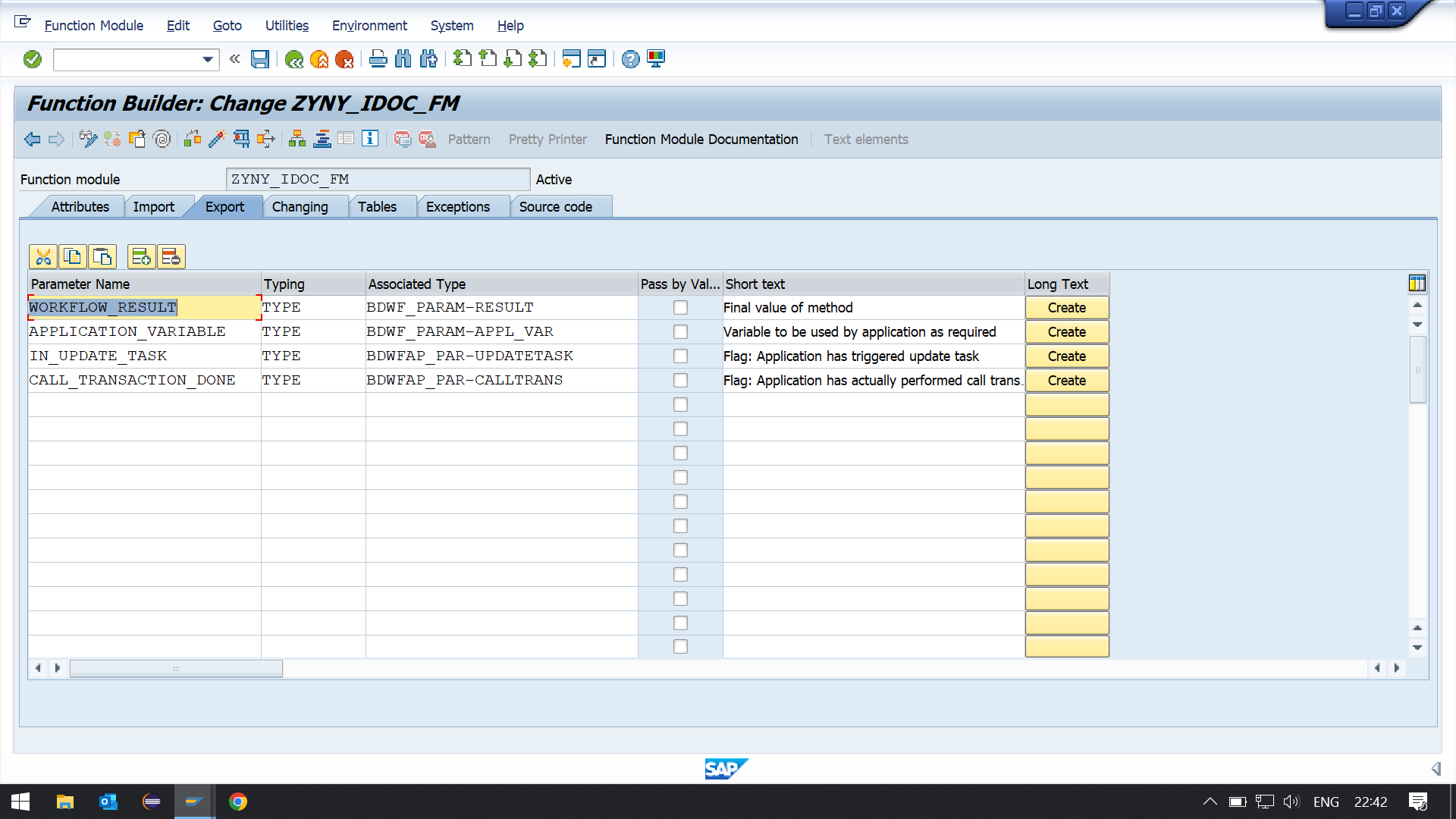


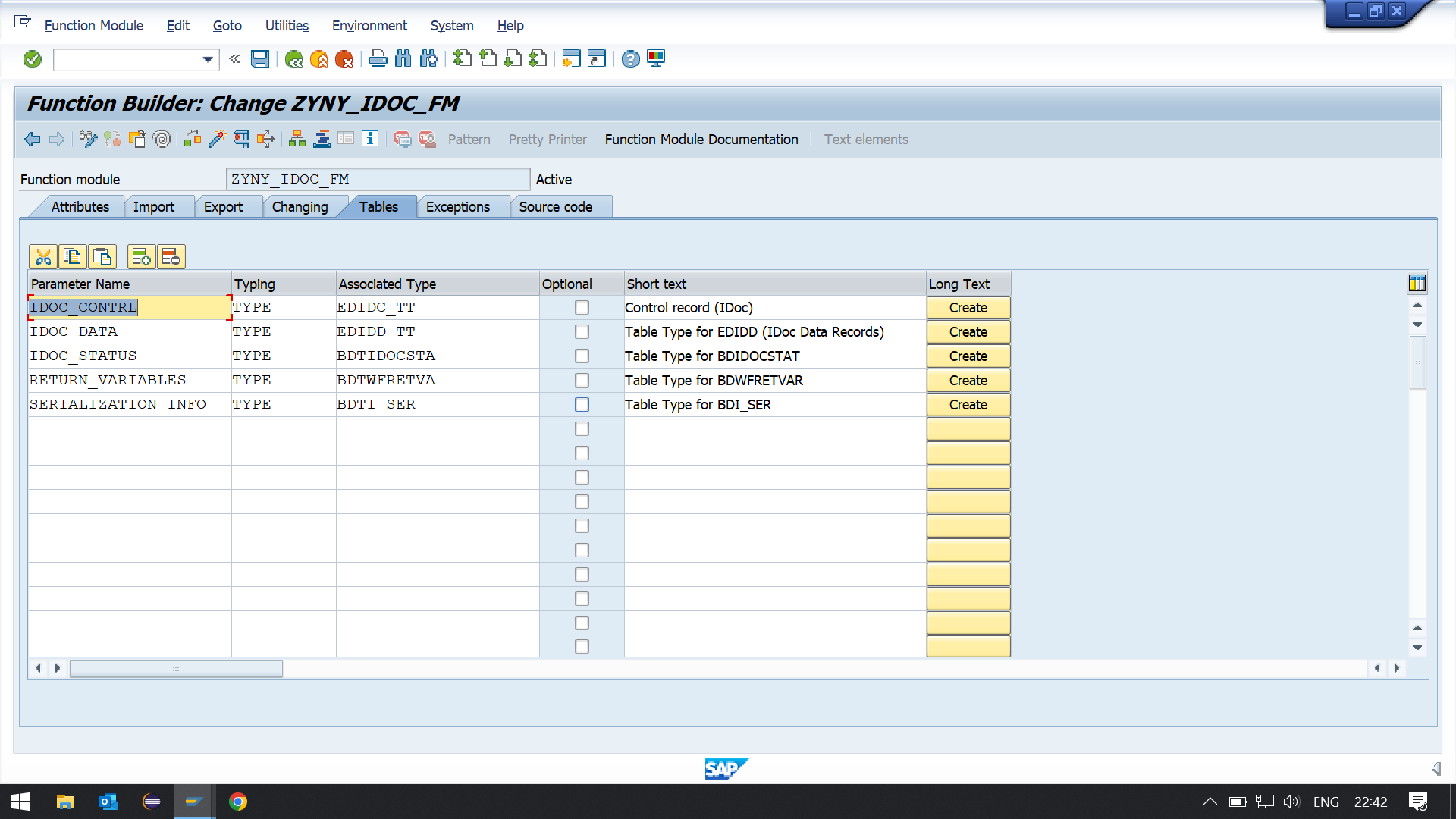
**Function module import, export and table parameters:**

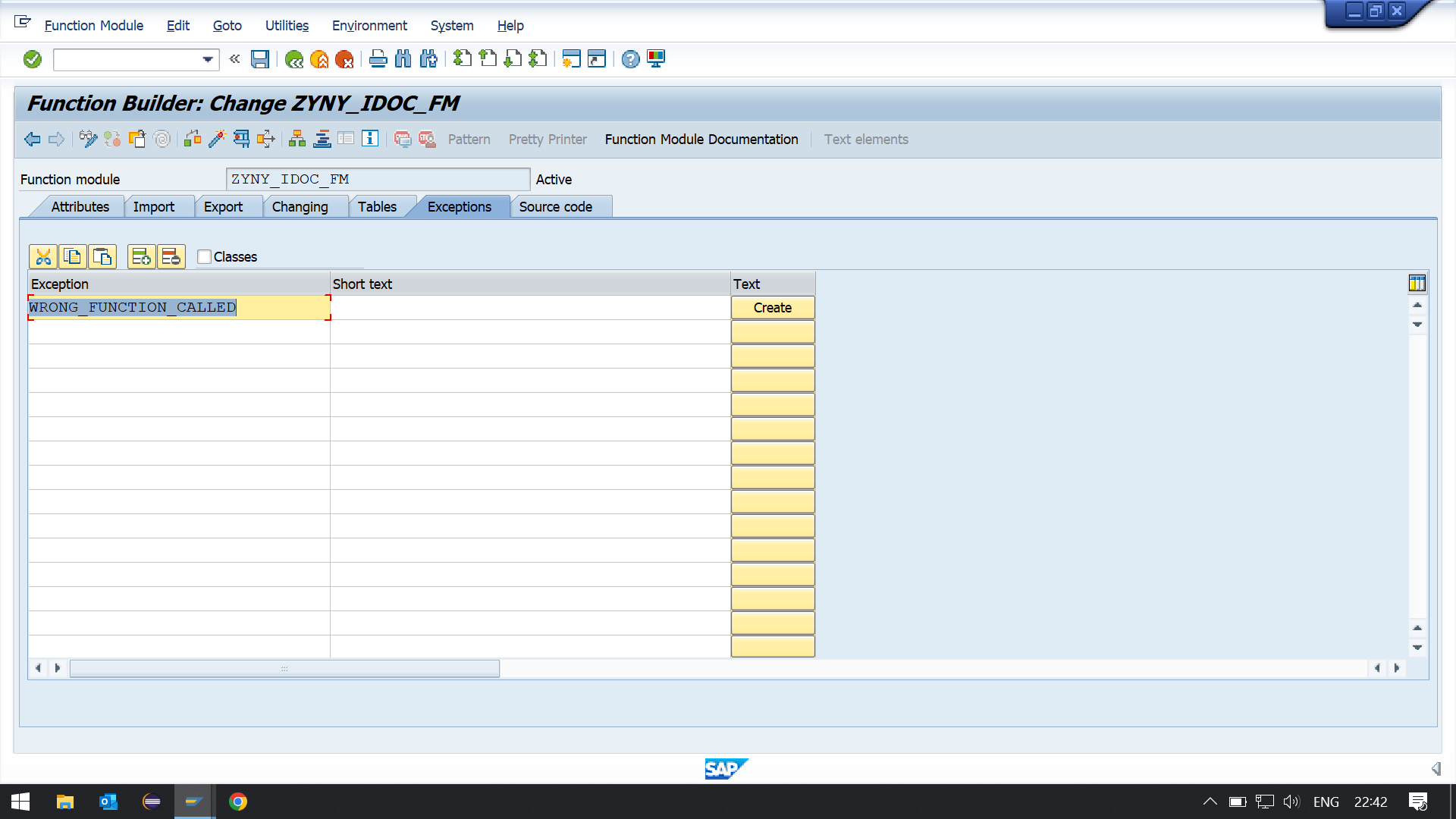


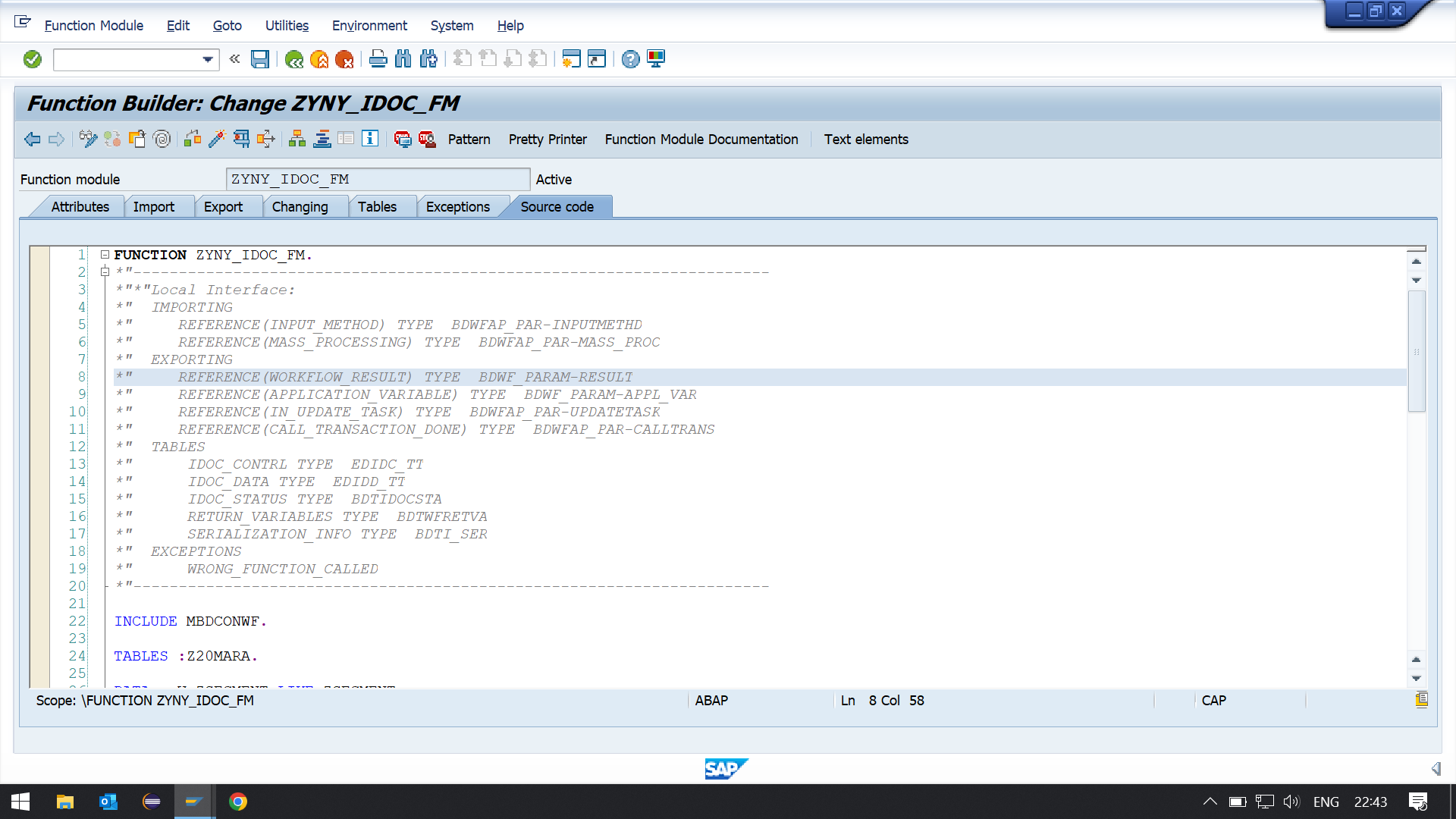






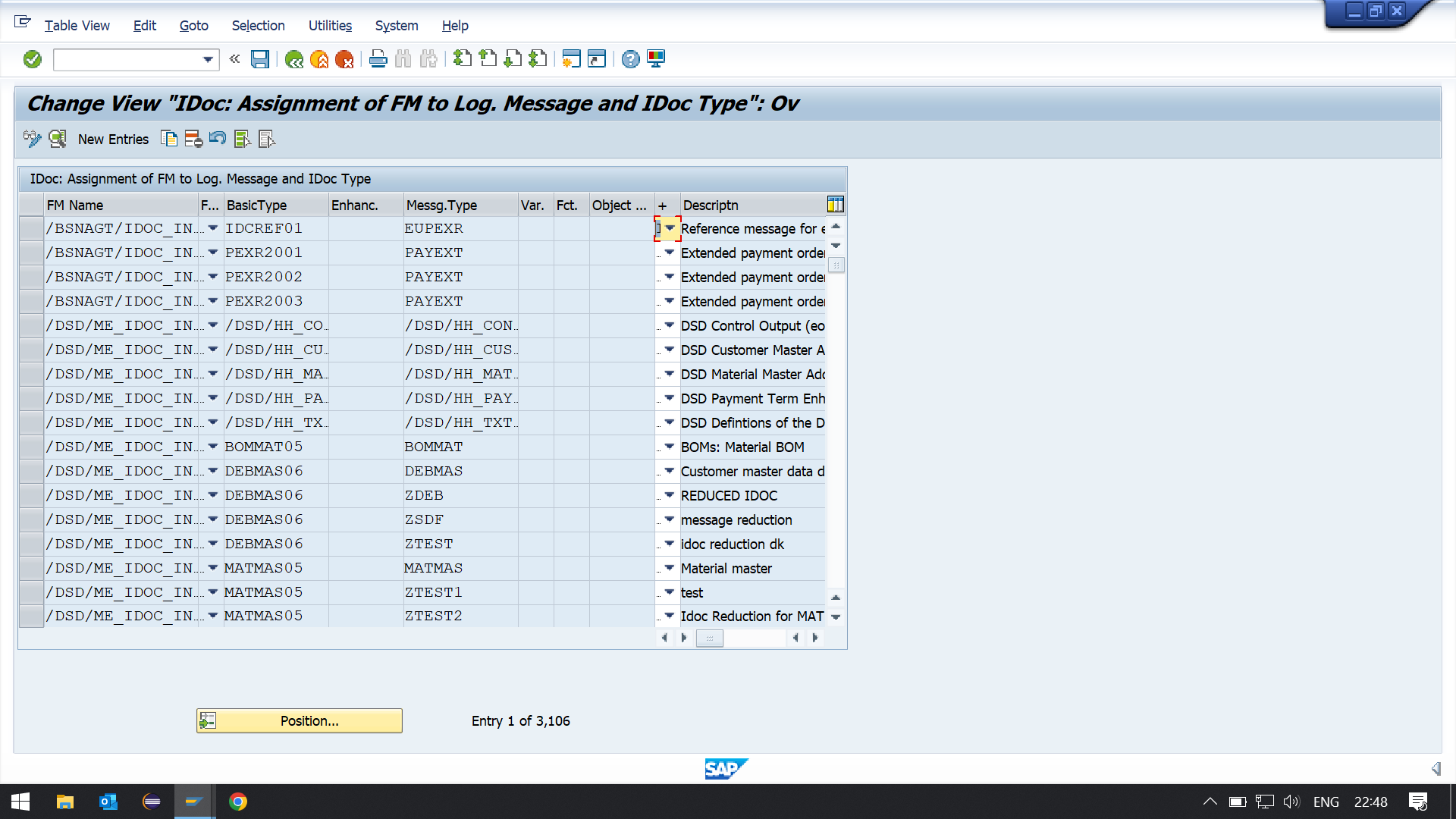


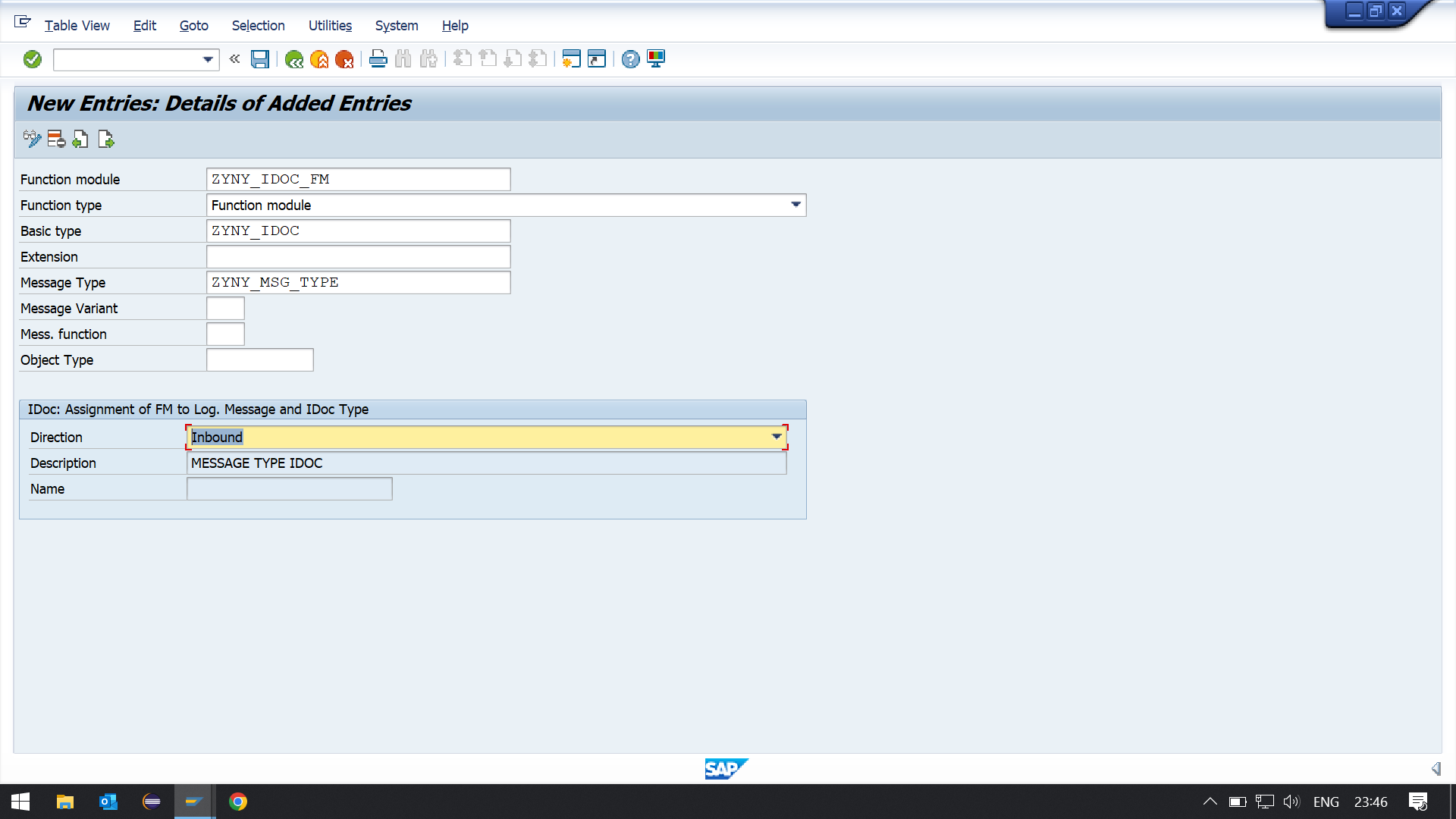




FUNCTION ZYNY\_IDOC\_FM.  
*\*"----------------------------------------------------------------------*  
*\*"\*"Local Interface:*  
*\*"  IMPORTING*  
*\*"     REFERENCE(INPUT\_METHOD) TYPE  BDWFAP\_PAR-INPUTMETHD*  
*\*"     REFERENCE(MASS\_PROCESSING) TYPE  BDWFAP\_PAR-MASS\_PROC*  
*\*"  EXPORTING*  
*\*"     REFERENCE(WORKFLOW\_RESULT) TYPE  BDWF\_PARAM-RESULT*  
*\*"     REFERENCE(APPLICATION\_VARIABLE) TYPE  BDWF\_PARAM-APPL\_VAR*  
*\*"     REFERENCE(IN\_UPDATE\_TASK) TYPE  BDWFAP\_PAR-UPDATETASK*  
*\*"     REFERENCE(CALL\_TRANSACTION\_DONE) TYPE  BDWFAP\_PAR-CALLTRANS*  
*\*"  TABLES*  
*\*"      IDOC\_CONTRL TYPE  EDIDC\_TT*  
*\*"      IDOC\_DATA TYPE  EDIDD\_TT*  
*\*"      IDOC\_STATUS TYPE  BDTIDOCSTA*  
*\*"      RETURN\_VARIABLES TYPE  BDTWFRETVA*  
*\*"      SERIALIZATION\_INFO TYPE  BDTI\_SER*  
*\*"  EXCEPTIONS*  
*\*"      WRONG\_FUNCTION\_CALLED*  
*\*"----------------------------------------------------------------------*  
  
INCLUDE MBDCONWF.  
  
TABLES :Z20MARA.  
  
DATA : W\_ZSEGMENT LIKE ZSEGMENT.  
  
DATA : T\_zdemo\_material LIKE z20mara OCCURS 0 WITH HEADER LINE.  
WORKFLOW\_RESULT = C\_WF\_RESULT\_OK.  
  
LOOP AT IDOC\_CONTRL.  
IF IDOC\_CONTRL-MESTYP NE 'ZYNY\_MSG\_TYPE'.  
RAISE WRONG\_FUNCTION\_CALLED.  
ENDIF.  
  
*\*  Before reading a new entry, clear application buffer*  
LOOP AT IDOC\_DATA WHERE DOCNUM EQ IDOC\_CONTRL-DOCNUM.  
W\_ZSEGMENT = IDOC\_DATA-SDATA.  
MOVE-CORRESPONDING W\_ZSEGMENT TO T\_zdemo\_material.  
INSERT INTO z20mara VALUES T\_zdemo\_material.  
ENDLOOP.  
  
UPDATE z20mara FROM T\_zdemo\_material.  
  
IF SY-SUBRC EQ 0.  
IDOC\_STATUS-DOCNUM = IDOC\_CONTRL-DOCNUM.  
IDOC\_STATUS-STATUS = '53'.  
IDOC\_STATUS-MSGTY = 'I'.  
IDOC\_STATUS-MSGID = 'YM'.  
IDOC\_STATUS-MSGNO = '004'.  
IDOC\_STATUS-MSGV1 = T\_zdemo\_material-MANDT.  
APPEND IDOC\_STATUS.  
CLEAR IDOC\_STATUS.  
ELSE.  
IDOC\_STATUS-DOCNUM = IDOC\_CONTRL-DOCNUM.  
IDOC\_STATUS-STATUS = '51'.  
IDOC\_STATUS-MSGTY = 'E'.  
IDOC\_STATUS-MSGID = 'YM'.  
IDOC\_STATUS-MSGNO = '005'.  
IDOC\_STATUS-MSGV1 = T\_zdemo\_material-MANDT.  
APPEND IDOC\_STATUS.  
CLEAR IDOC\_STATUS.  
  
WORKFLOW\_RESULT = C\_WF\_RESULT\_ERROR.  
RETURN\_VARIABLES-WF\_PARAM = 'Error\_Idocs'.  
RETURN\_VARIABLES-DOC\_NUMBER = IDOC\_CONTRL-DOCNUM.  
APPEND RETURN\_VARIABLES.  
CLEAR RETURN\_VARIABLES.  
ENDIF.  
ENDLOOP.  
  
ENDFUNCTION.

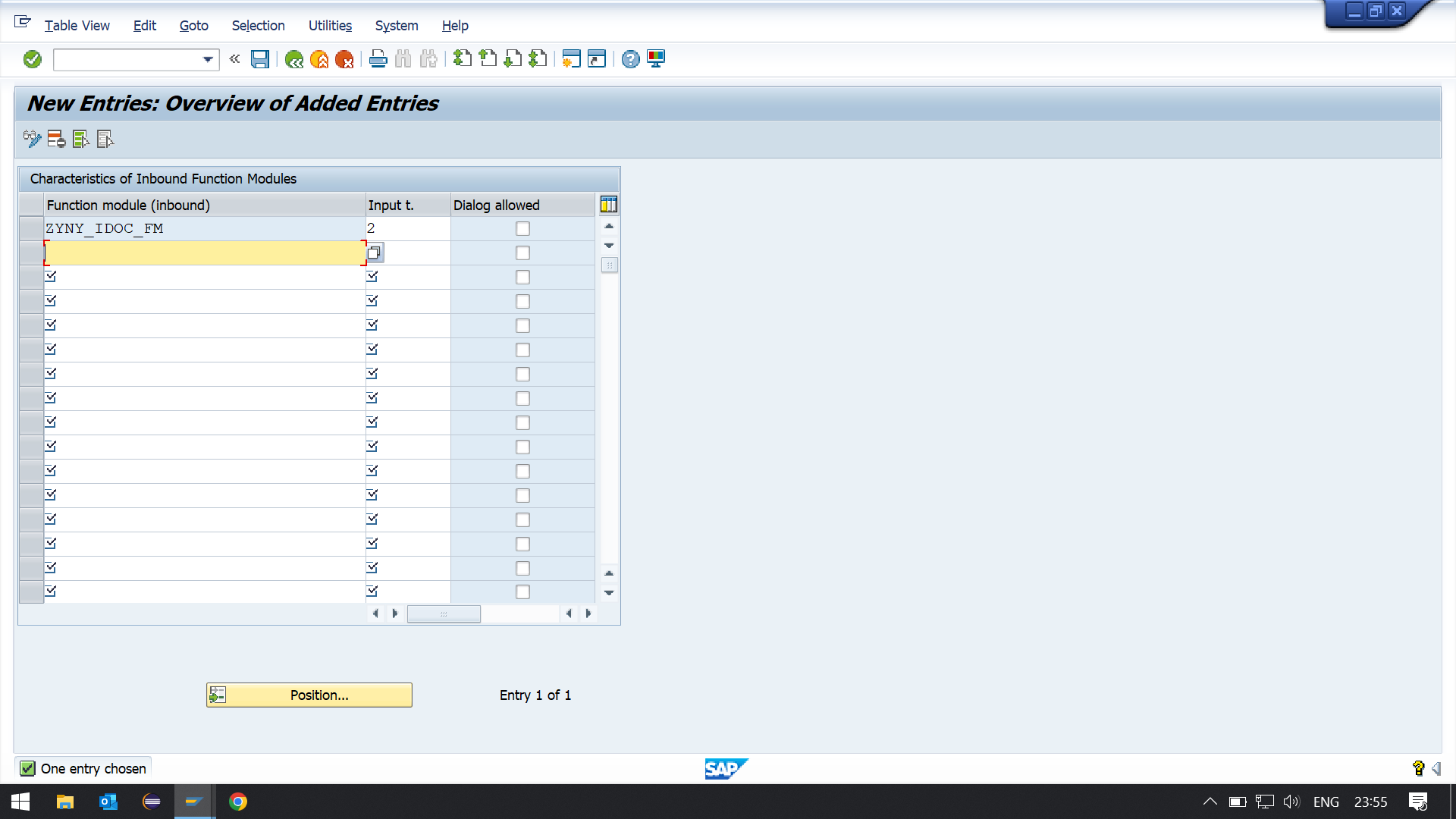
## ****Assign FM(Function Module) to IDoc Type and Message Type(WE57).****





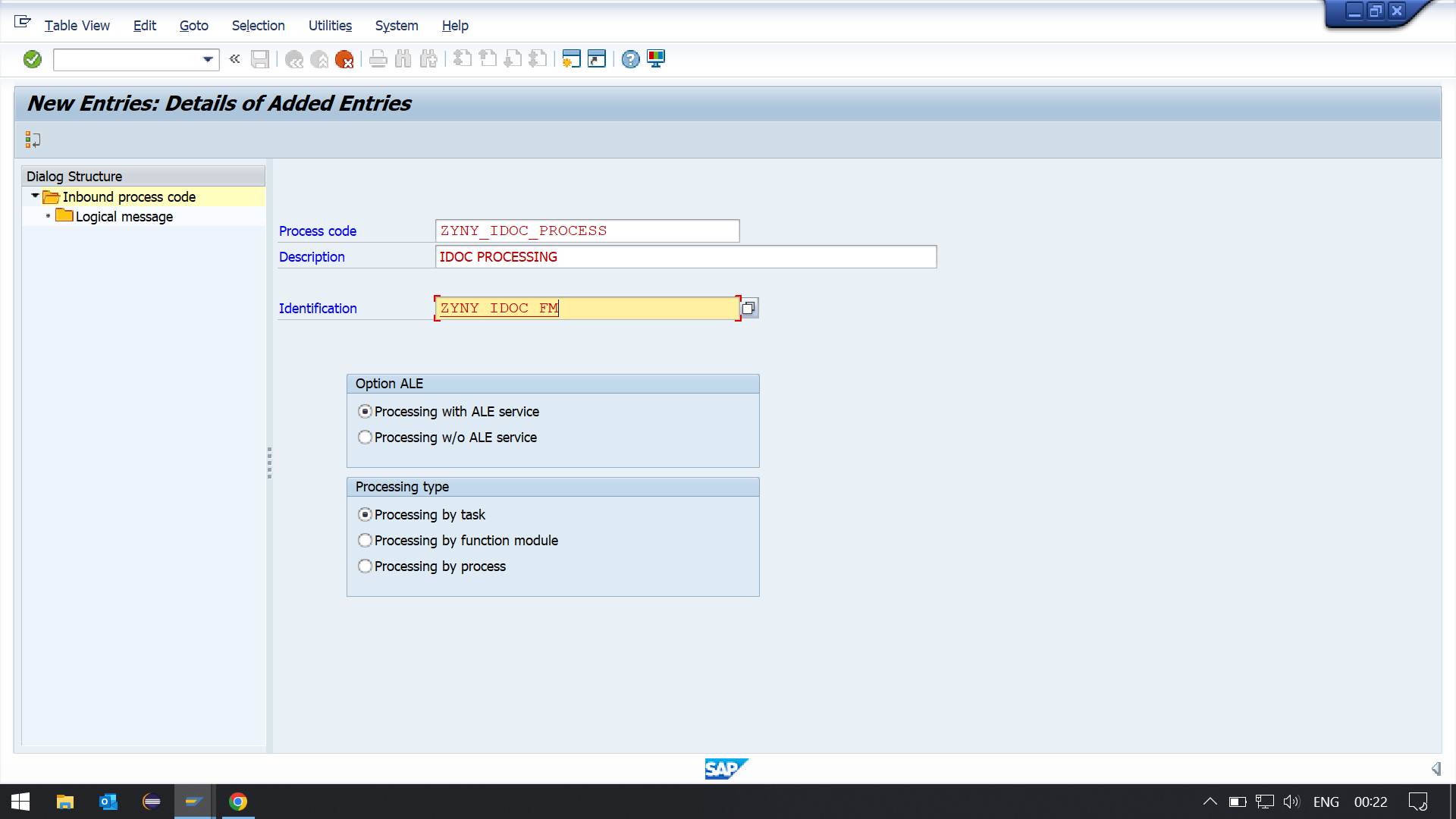
## ****Define Inbound FM Characteristics (BD51):****

* + **Take transaction code BD51**
  + **Click New Entries to create a new type of message**



## ****Create Inbound process code (WE42):****

* **Go to the WE42 transaction code**
* **Click the New Entries button to create a new Inbound process code.**
* **Fill in details**
* **Save it and go back there.**



**3. Create a testing Scenario where we can upload data using Standard IDOC.(MATMAS, CREMAS etc)**

**Check in the system after updatation.**