**LIT TRAINING**

**Batch Name : SAP ABAP -25                                                            DAY 6 ASSIGNMENT**

**EMPLOYEE ID – 46247689**

**1. Create a program to Upload the data in Application Server (AL11). Use any table join Based on your preference. Update it in /tmp folder.**

**=======================DATA=======================**

**material1 1 ROH SHORTDESC KM 01**

**material2 1 ROH SHORTDESC KM 01**

**material3 1 ROH SHORTDESC KM 01**

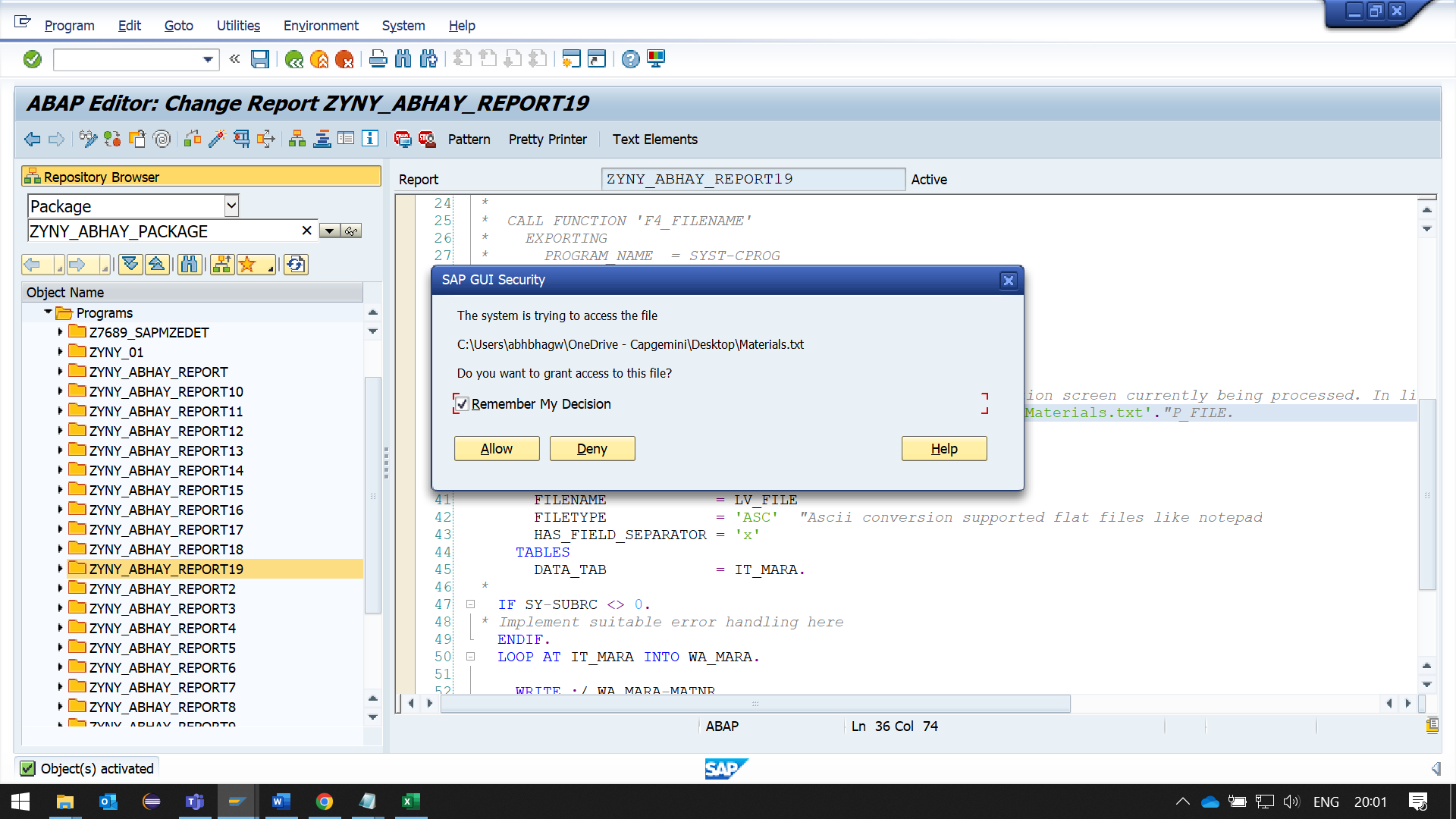
**material4 1 ROH SHORTDESC KM 01**

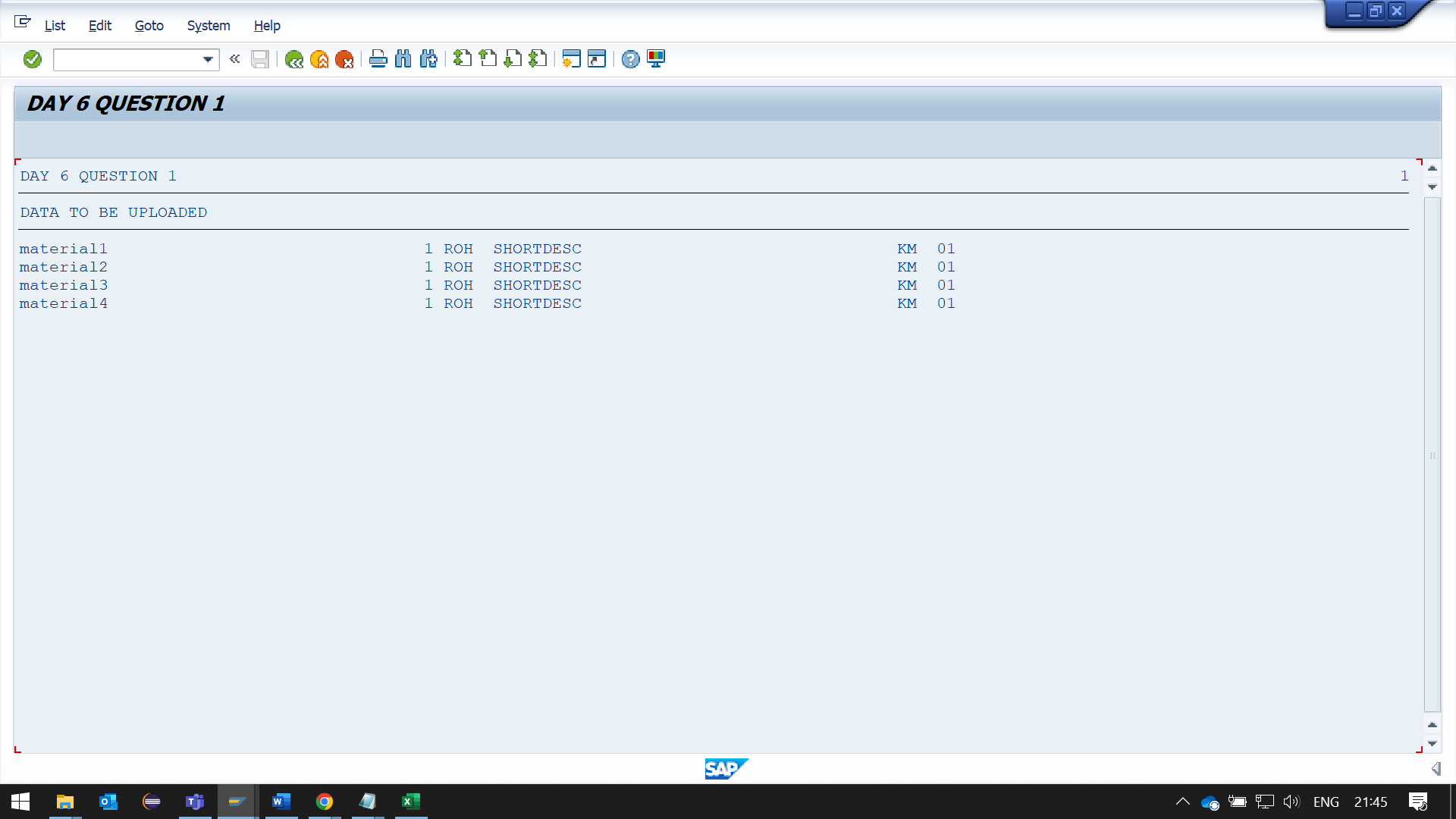
**==================================================**

**REPORT TO UPLOAD DATA FROM DESKTOP TO SERVER**

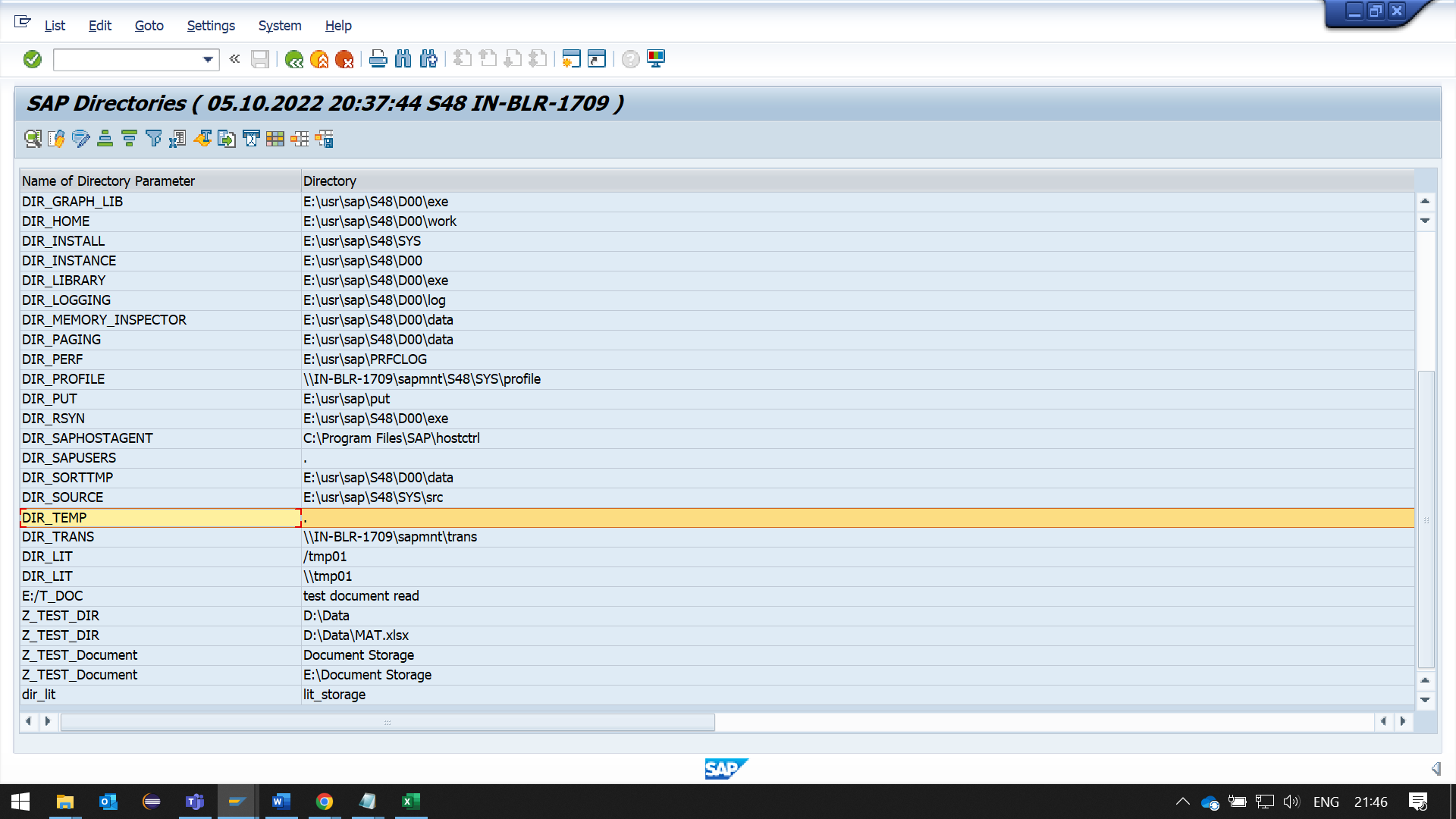
*\*&---------------------------------------------------------------------\**  
*\*& Report ZYNY\_ABHAY\_REPORT19*  
*\*&---------------------------------------------------------------------\**  
REPORT ZYNY\_ABHAY\_REPORT19.  
  
*\*----------------------------------------------------------------------\**  
*\*     Type Decalaration*  
*\*----------------------------------------------------------------------\**  
TYPES: BEGIN OF TY\_MARA,  
         MATNR TYPE MATNR, *" Material Number*  
         MBRSH TYPE MBRSH, *" Industry sector*  
         MTART TYPE MTART, *" Material TYPE*  
         MAKTX TYPE MAKTX, *" MATERIAL DESC*  
         MEINS TYPE MEINS, *" Base Unit of Measure*  
         MATKL TYPE MATKL, *" Material Group*  
       END OF TY\_MARA.  
  
*\*----------------------------------------------------------------------\**  
*\*     Data Decalaration*  
*\*----------------------------------------------------------------------\**  
DATA : IT\_MARA TYPE  TABLE OF TY\_MARA,  
       WA\_MARA TYPE TY\_MARA,  
       LV\_FILE TYPE STRING.  
  
DATA: gv\_file   TYPE rlgrap-filename.

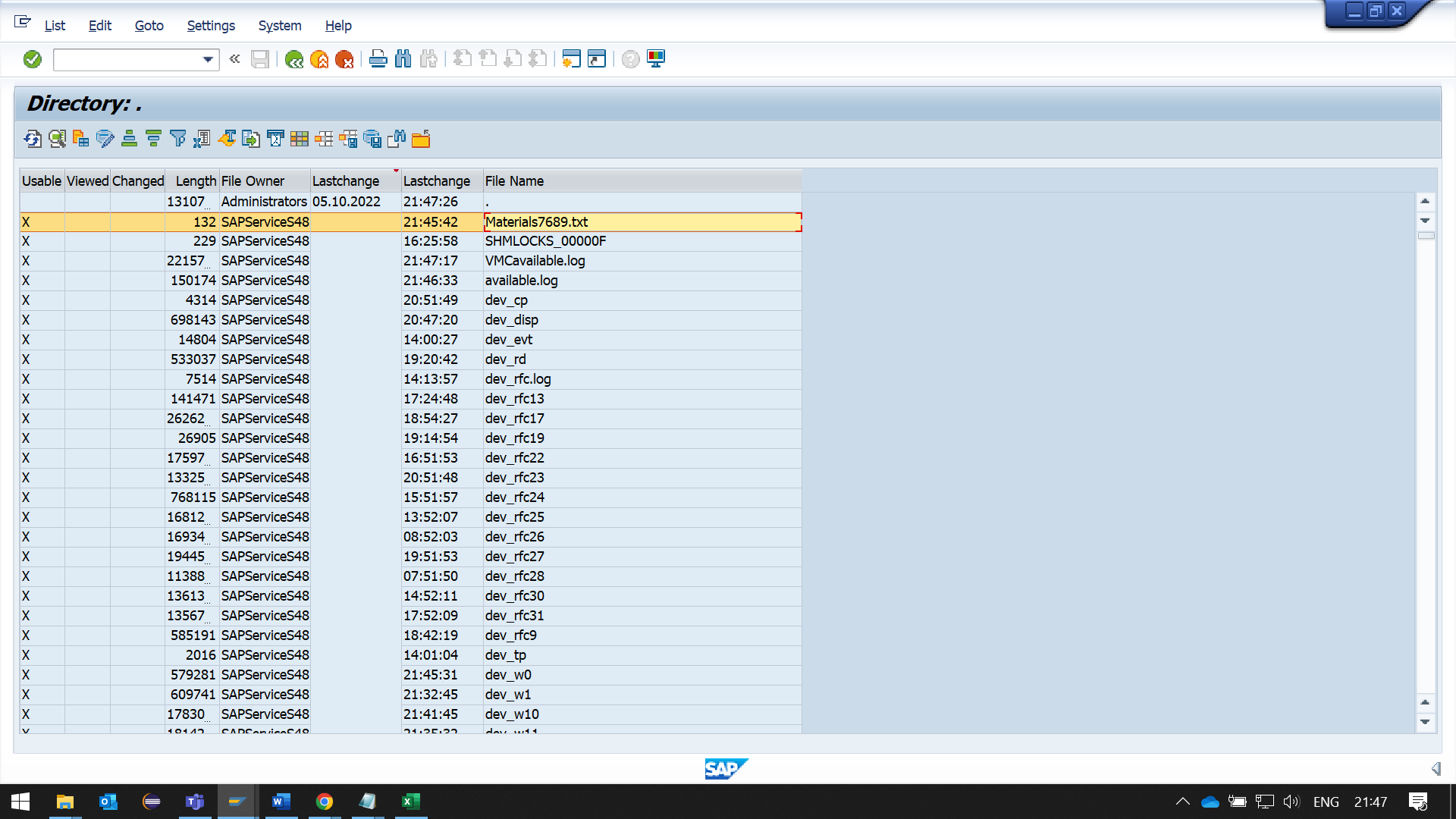
*\*----------------------------------------------------------------------\**  
*\*     START-OF-SELECTION*  
*\*----------------------------------------------------------------------\**  
START-OF-SELECTION.  
  LV\_FILE = 'C:\Users\abhbhagw\OneDrive - Capgemini\Desktop\Materials7689.txt'. *" File Path*  
  
  CALL FUNCTION 'GUI\_UPLOAD'  
    EXPORTING  
      FILENAME                = LV\_FILE  
      FILETYPE                = 'ASC'  
      HAS\_FIELD\_SEPARATOR     = 'x'  
    TABLES  
      DATA\_TAB                = IT\_MARA  
    EXCEPTIONS  
      FILE\_OPEN\_ERROR         = 1  
      FILE\_READ\_ERROR         = 2  
      NO\_BATCH                = 3  
      GUI\_REFUSE\_FILETRANSFER = 4  
      INVALID\_TYPE            = 5  
      NO\_AUTHORITY            = 6  
      UNKNOWN\_ERROR           = 7  
      BAD\_DATA\_FORMAT         = 8  
      HEADER\_NOT\_ALLOWED      = 9  
      SEPARATOR\_NOT\_ALLOWED   = 10  
      HEADER\_TOO\_LONG         = 11  
      UNKNOWN\_DP\_ERROR        = 12  
      ACCESS\_DENIED           = 13  
      DP\_OUT\_OF\_MEMORY        = 14  
      DISK\_FULL               = 15  
      DP\_TIMEOUT              = 16  
      OTHERS                  = 17.  
  IF sy-subrc = 1.  
    MESSAGE E007(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 2.  
    MESSAGE E008(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 3.  
    MESSAGE E009(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 4.  
    MESSAGE E010(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 5.  
    MESSAGE E011(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 6.  
    MESSAGE E012(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 7.  
    MESSAGE E013(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 8.  
    MESSAGE E014(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 9.  
    MESSAGE E015(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 10.  
    MESSAGE E016(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 11.  
    MESSAGE E017(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 12.  
    MESSAGE E018(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 13.  
    MESSAGE E019(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 14.  
    MESSAGE E020(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 15.  
    MESSAGE E021(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 16.  
    MESSAGE E022(ZYNY\_ABHAY\_MESSAGE).  
  ELSEIF sy-subrc = 17.  
    MESSAGE E001(ZYNY\_ABHAY\_MESSAGE).  
  ENDIF.  
  
  WRITE : / 'DATA TO BE UPLOADED'.  
  ULINE.  
  LOOP AT IT\_MARA INTO WA\_MARA.  
    WRITE :/ WA\_MARA-MATNR,  
              WA\_MARA-MBRSH,  
              WA\_MARA-MTART,  
              WA\_MARA-MAKTX,  
              WA\_MARA-MEINS,  
              WA\_MARA-MATKL.  
    CLEAR WA\_MARA.  
  
  ENDLOOP.  
  
  IF NOT IT\_MARA[] IS INITIAL.  
    PERFORM save\_file.  
  ELSE.  
    MESSAGE 'No data found' TYPE 'I'.  
  ENDIF.  
  
*\*&---------------------------------------------------------------------\**  
*\*&      Form  save\_file*  
*\*&---------------------------------------------------------------------\**  
FORM save\_file.  
  DATA: lv\_data TYPE string.  
  
*\*Move complete path to filename*  
  gv\_file = 'Materials7689.txt'.  
  
*\* Open the file in output mode*  
  OPEN DATASET gv\_file FOR OUTPUT IN TEXT MODE ENCODING DEFAULT.  
*\*  OPEN DATASET gv\_file FOR OUTPUT IN BINARY MODE.*  
  IF sy-subrc NE 0.  
    MESSAGE 'Unable to create file' TYPE 'I'.  
    EXIT.  
  ENDIF.  
  
  LOOP AT IT\_MARA INTO WA\_MARA.  
    CONCATENATE WA\_MARA-MATNR  
                WA\_MARA-MBRSH  
                WA\_MARA-MTART  
                WA\_MARA-MAKTX  
                WA\_MARA-MEINS  
                WA\_MARA-MATKL  
     INTO lv\_data  
     SEPARATED BY ' '.  
  
*\*TRANSFER moves the above fields from workarea to file  with comma*  
*\*delimited format*  
    TRANSFER lv\_data TO gv\_file.  
    CLEAR: WA\_MARA.  
  ENDLOOP.  
*\* close the file*  
  CLOSE DATASET gv\_file.  
  
ENDFORM.                    *" save\_file*

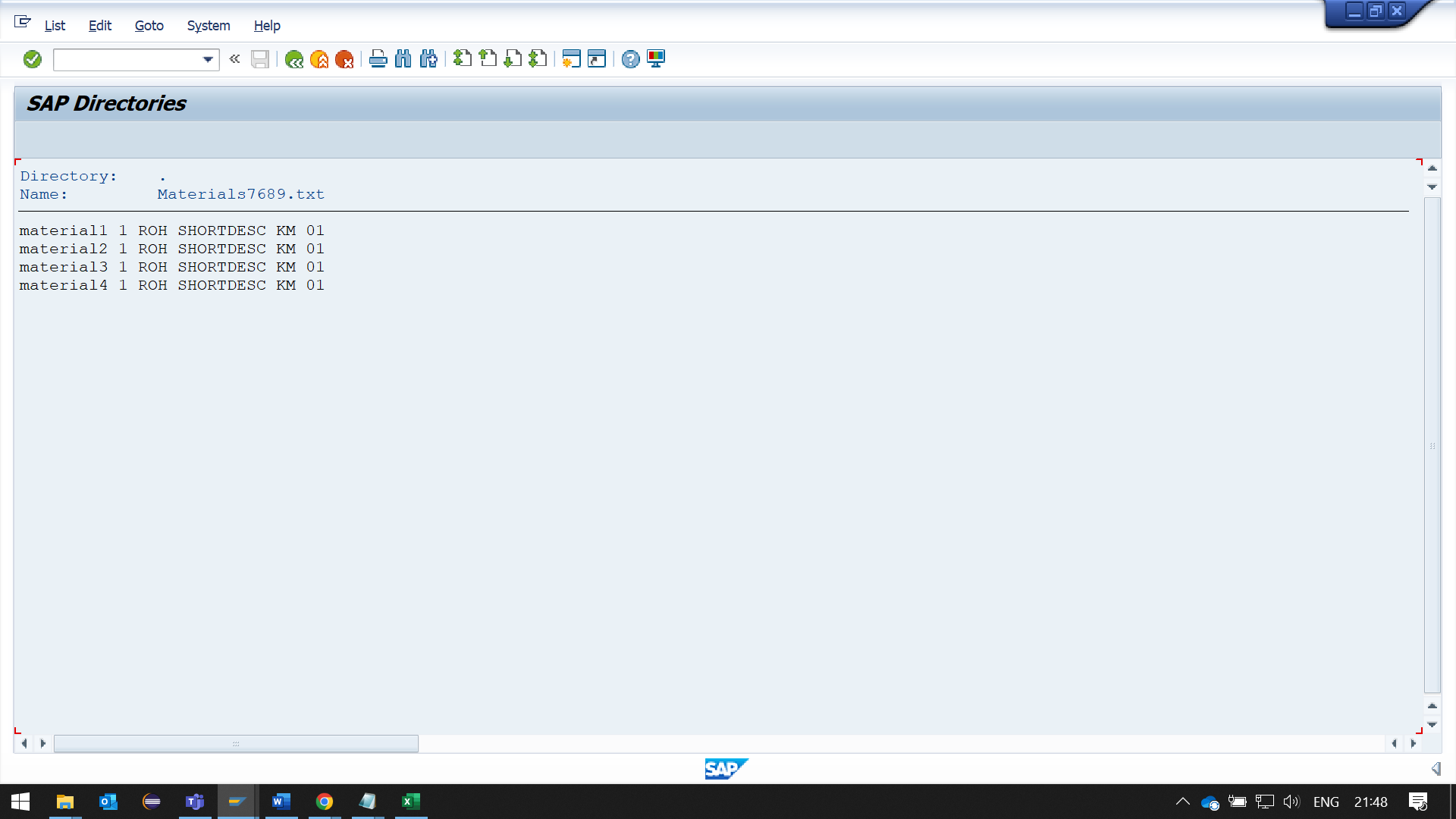




**UPLOADED FILE CAN BE FOUND AT /TMP FOLDER**

**GO TO AL11, THEN CLICK ON DIR\_TEMP**

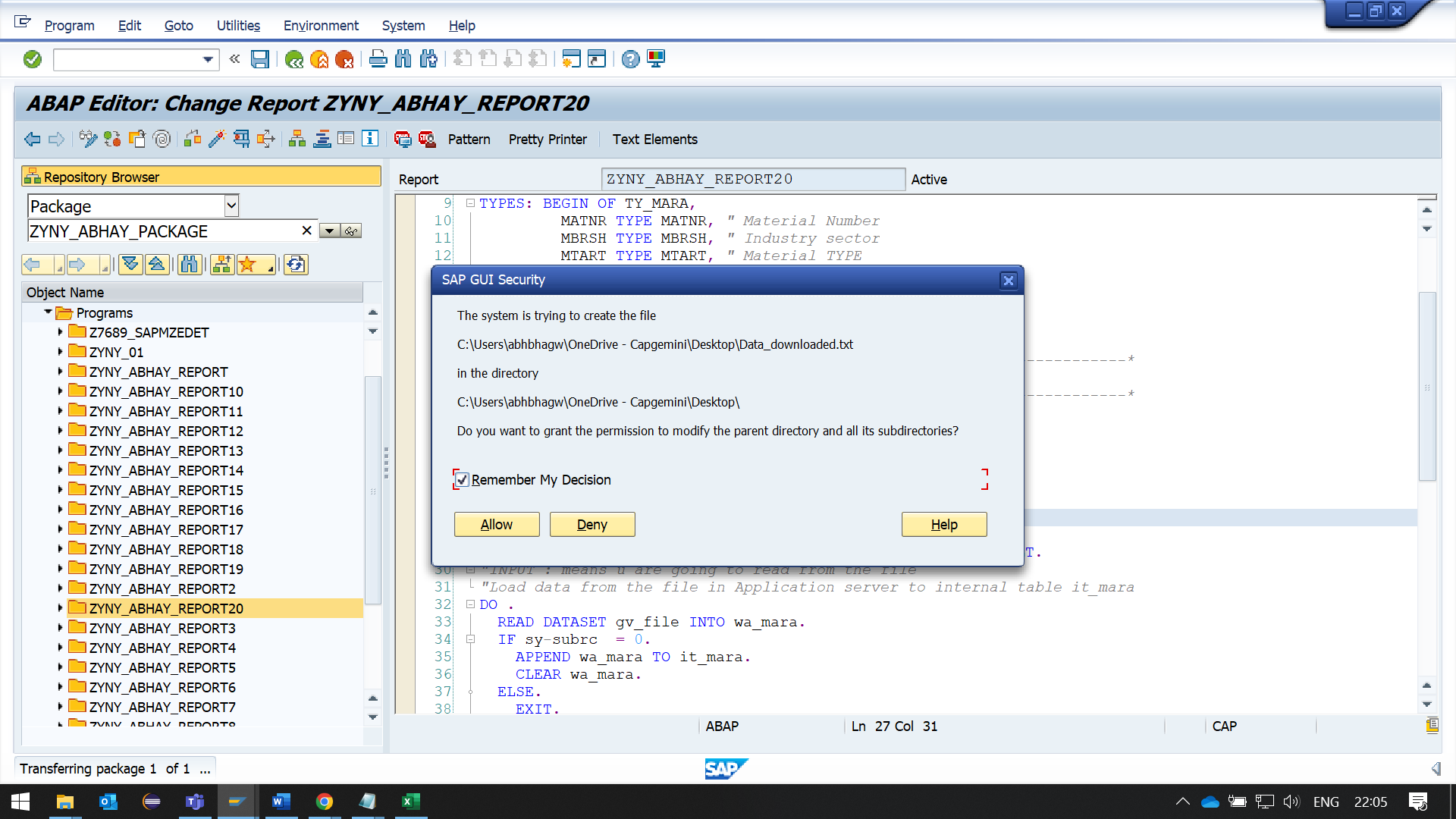


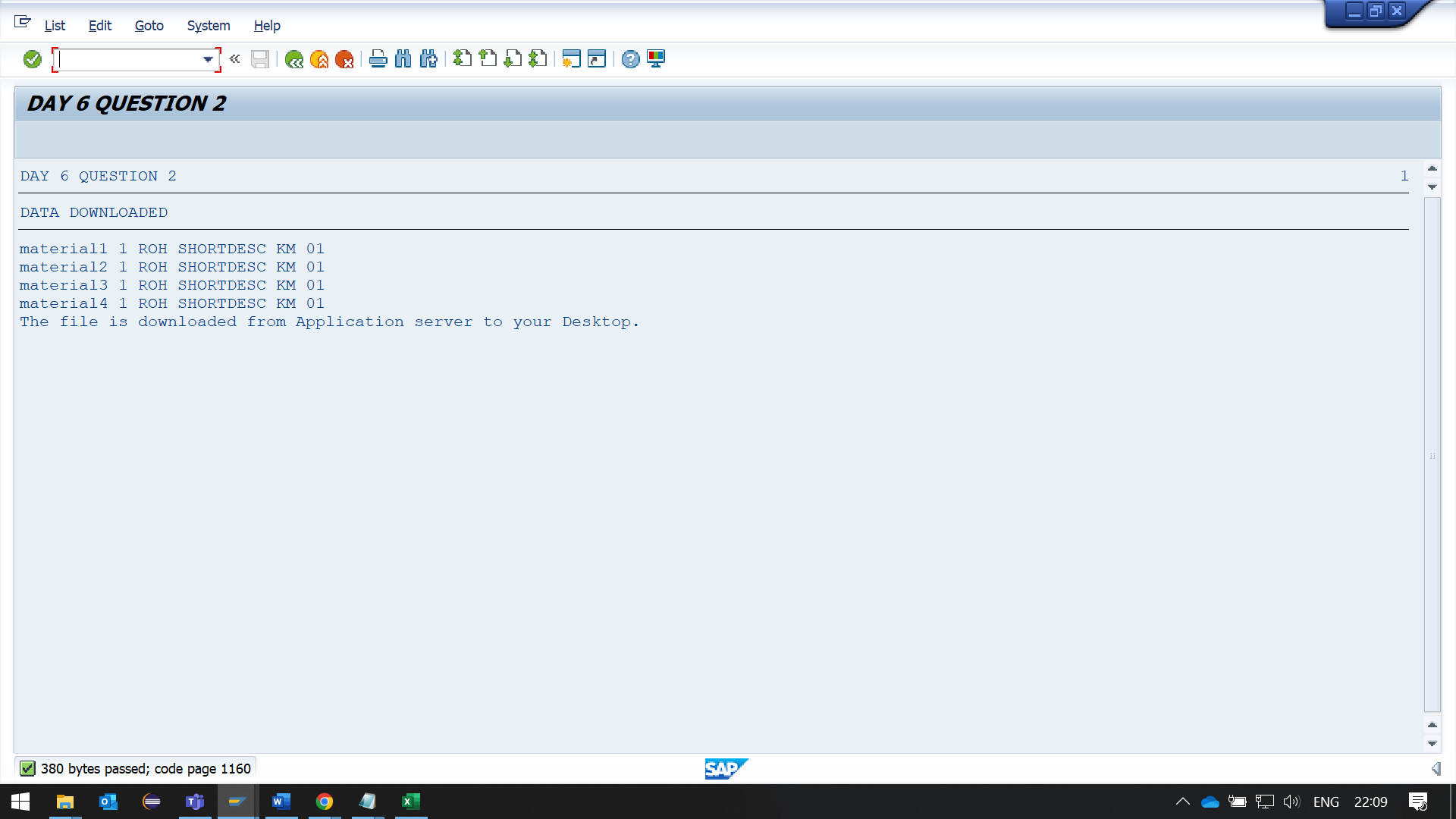


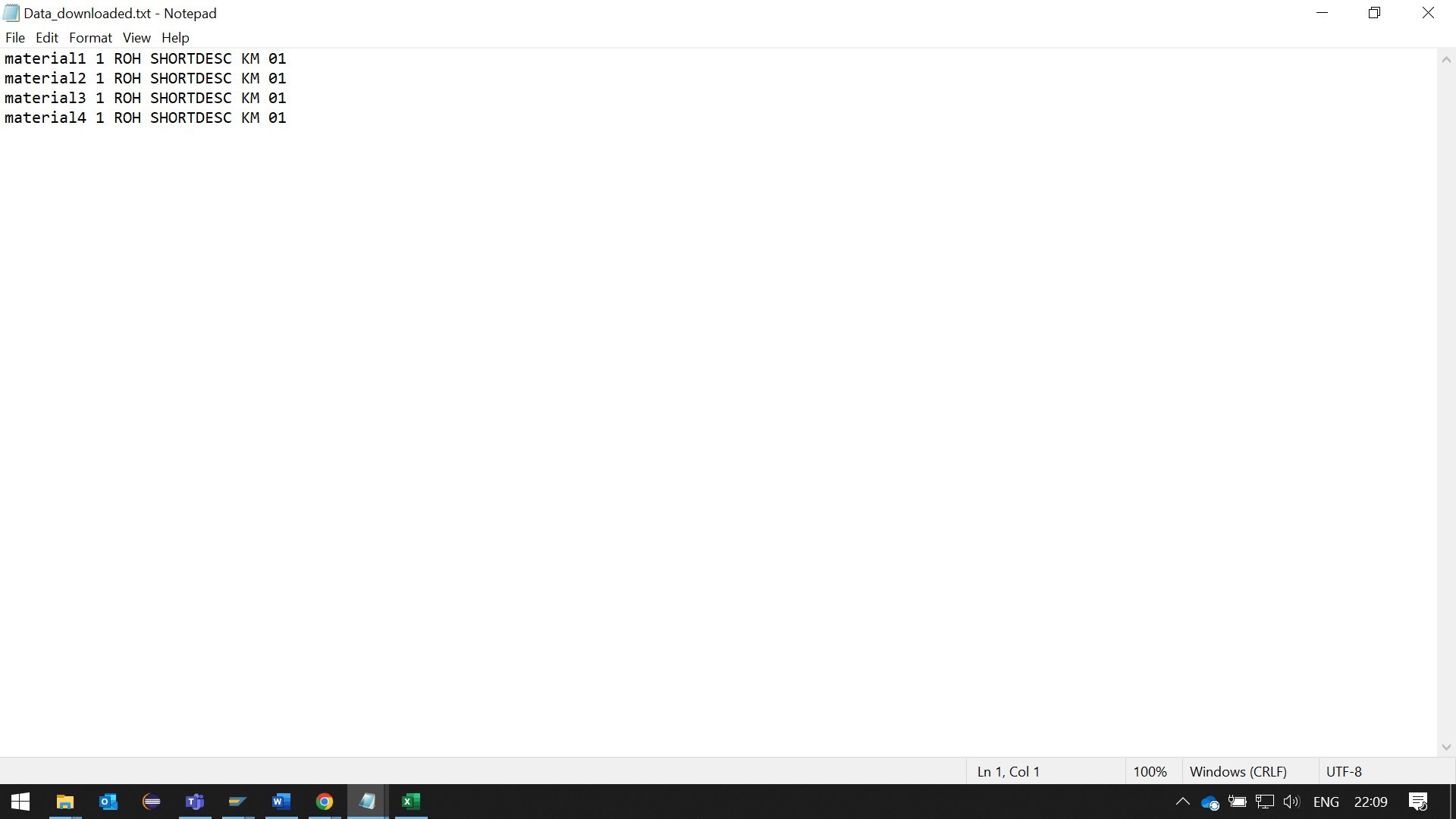
**2. Create a Program to download data from Application Server (AL11), Save it in a File in Presentation Server.**

**REPORT**

*\*&---------------------------------------------------------------------\**  
*\*& Report ZYNY\_ABHAY\_REPORT20*  
*\*&---------------------------------------------------------------------\**  
REPORT ZYNY\_ABHAY\_REPORT20.  
  
*\*----------------------------------------------------------------------\**  
*\*     Type Decalaration*  
*\*----------------------------------------------------------------------\**  
TYPES: BEGIN OF TY\_MARA,  
         MATNR TYPE MATNR, *" Material Number*  
         MBRSH TYPE MBRSH, *" Industry sector*  
         MTART TYPE MTART, *" Material TYPE*  
         MAKTX TYPE MAKTX, *" MATERIAL DESC*  
         MEINS TYPE MEINS, *" Base Unit of Measure*  
         MATKL TYPE MATKL, *" Material Group*  
       END OF TY\_MARA.  
  
*\*----------------------------------------------------------------------\**  
*\*     Data Decalaration*  
*\*----------------------------------------------------------------------\**  
DATA : it\_mara TYPE  TABLE OF ty\_mara,  
       wa\_mara TYPE ty\_mara,  
       lv\_file TYPE string.  
  
DATA: gv\_file   TYPE rlgrap-filename.  
  
gv\_file = 'Materials7689.txt'.  
  
OPEN DATASET gv\_file FOR INPUT  IN TEXT MODE ENCODING DEFAULT.  
*"INPUT : means u are going to read from the file*  
*"Load data from the file in Application server to internal table it\_mara*  
DO .  
  READ DATASET gv\_file INTO wa\_mara.  
  IF sy-subrc  = 0.  
    APPEND wa\_mara TO it\_mara.  
    CLEAR wa\_mara.  
  ELSE.  
    EXIT.  
  ENDIF.  
ENDDO.  
  
CLOSE DATASET gv\_file.  
  
WRITE : / 'DATA DOWNLOADED'.  
ULINE.  
LOOP AT IT\_MARA INTO WA\_MARA.  
  WRITE : / WA\_MARA-MATNR,  
            WA\_MARA-MBRSH,  
            WA\_MARA-MTART,  
            WA\_MARA-MAKTX,  
            WA\_MARA-MEINS,  
            WA\_MARA-MATKL.  
ENDLOOP.  
  
*"Load  data from internal table it\_mara to file p\_file*  
CALL FUNCTION 'GUI\_DOWNLOAD'  
  EXPORTING  
    filename              = 'C:\Users\abhbhagw\OneDrive - Capgemini\Desktop\Data\_downloaded.txt'  
    filetype              = 'ASC'  
    APPEND                = 'X'  
    write\_field\_separator = 'X'  
  TABLES  
    data\_tab              = it\_mara.  
IF sy-subrc = 0.  
  WRITE : 'The file is downloaded from Application server to your Desktop.'.  
ENDIF.

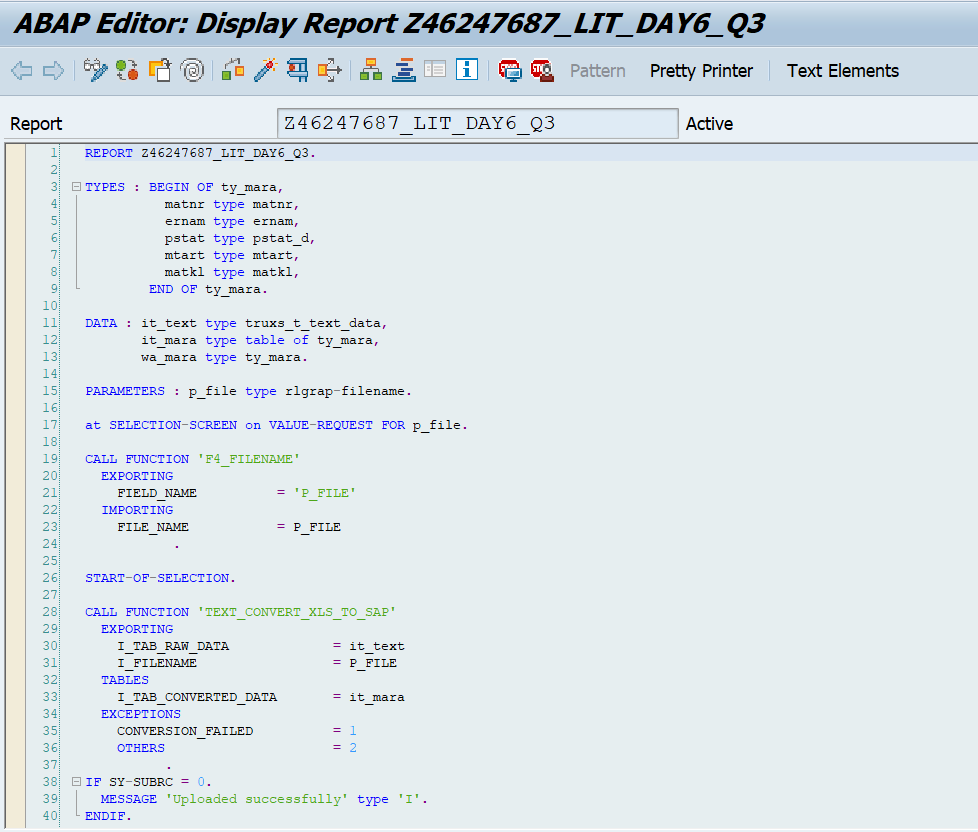






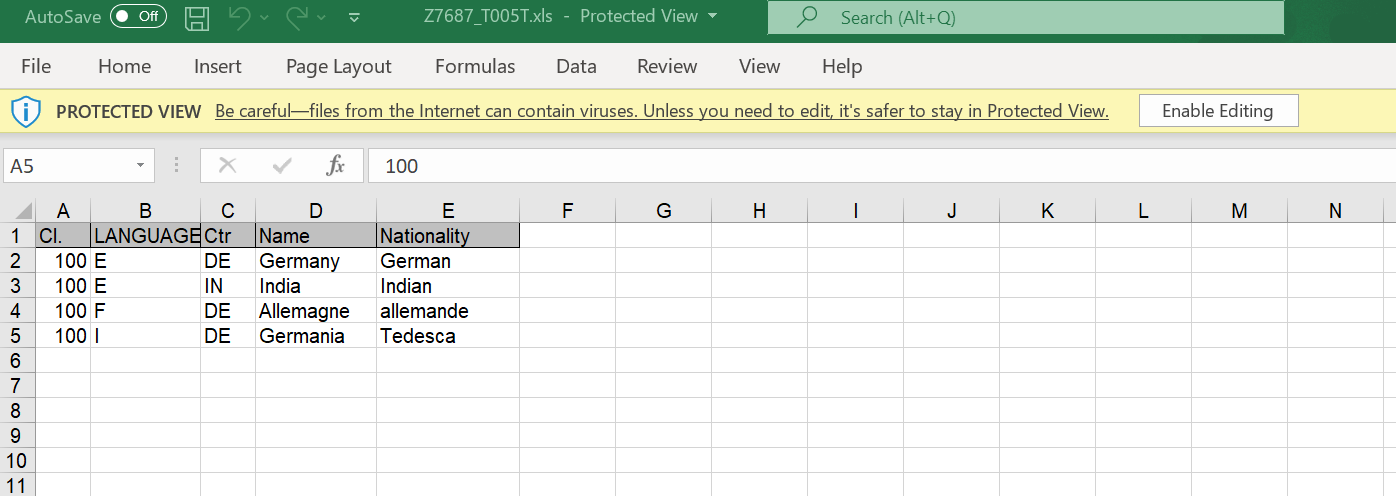
**3. Create a program to Upload the Material data from Excel Sheet & Use a Bapi to update Material Details**

**(Test the BAPI using test sequence & Use this BAPI to update the Material Data).**

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Output:

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