

LIT TRAINING

Batch Name : SAP ABAP -25
EMPLOYEE ID – 46247689

DAY 6 ASSIGNMENT

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.t
xt'. " 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 ' '.

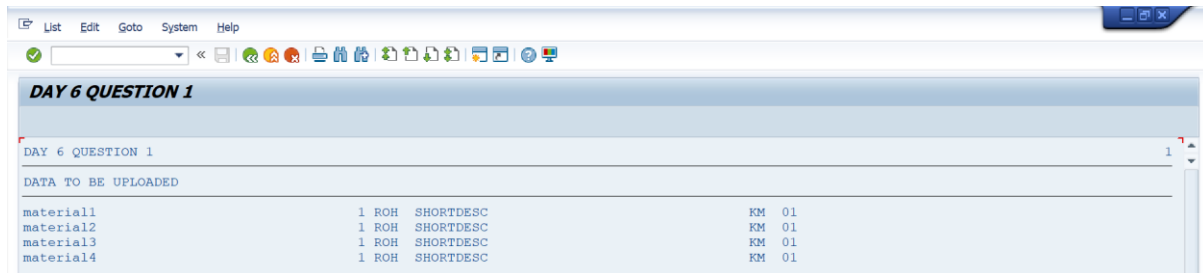
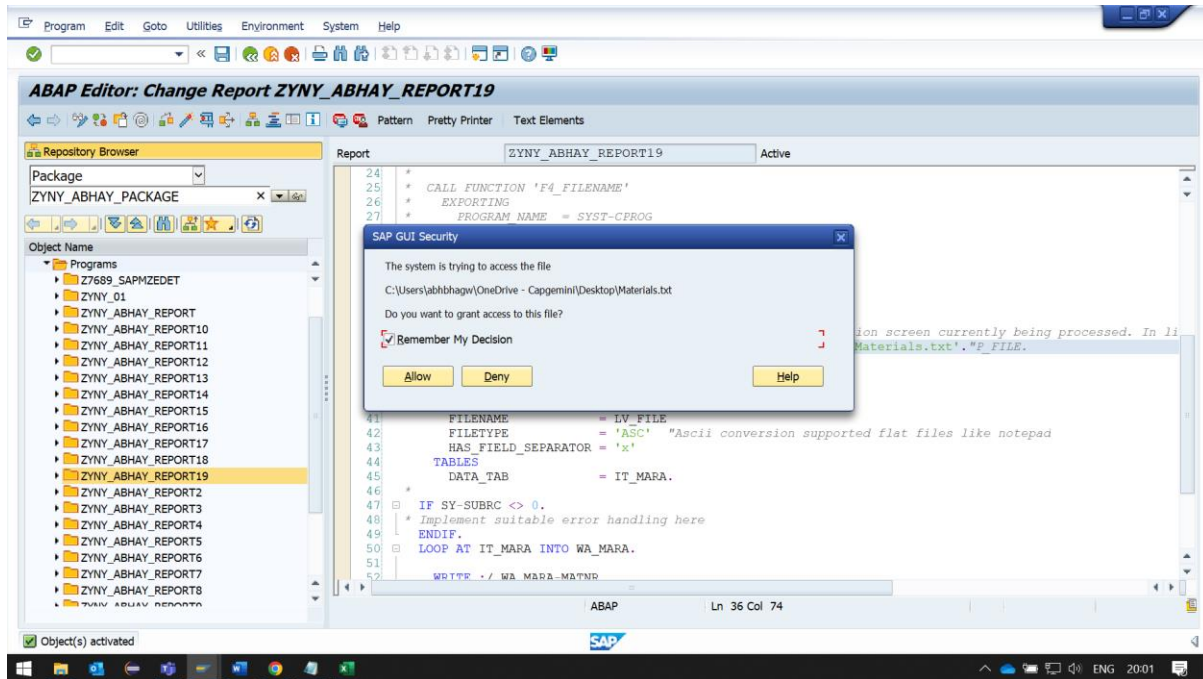
        *TRANSFER moves the above fields from workarea to file with comma
        *delimited format
        TRANSFER lv_data TO gv_file.
        CLEAR: WA_MARA.
    ENDLOOP.

    * close the file
    CLOSE DATASET gv_file.

```

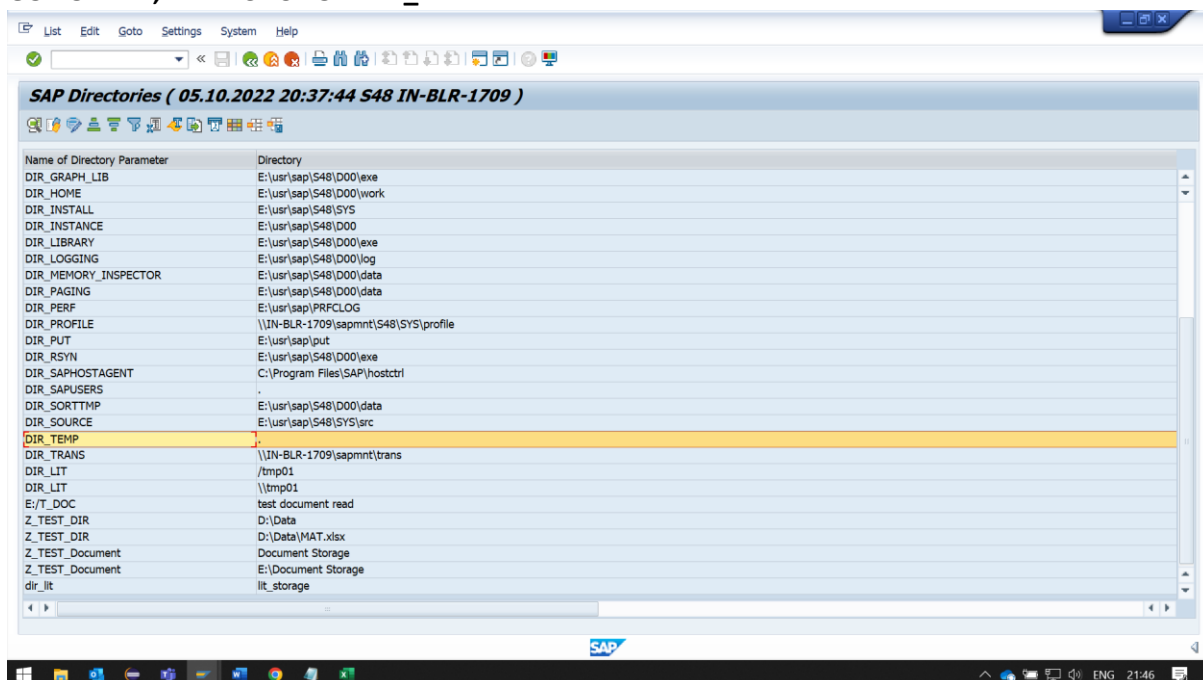
ENDFORM.

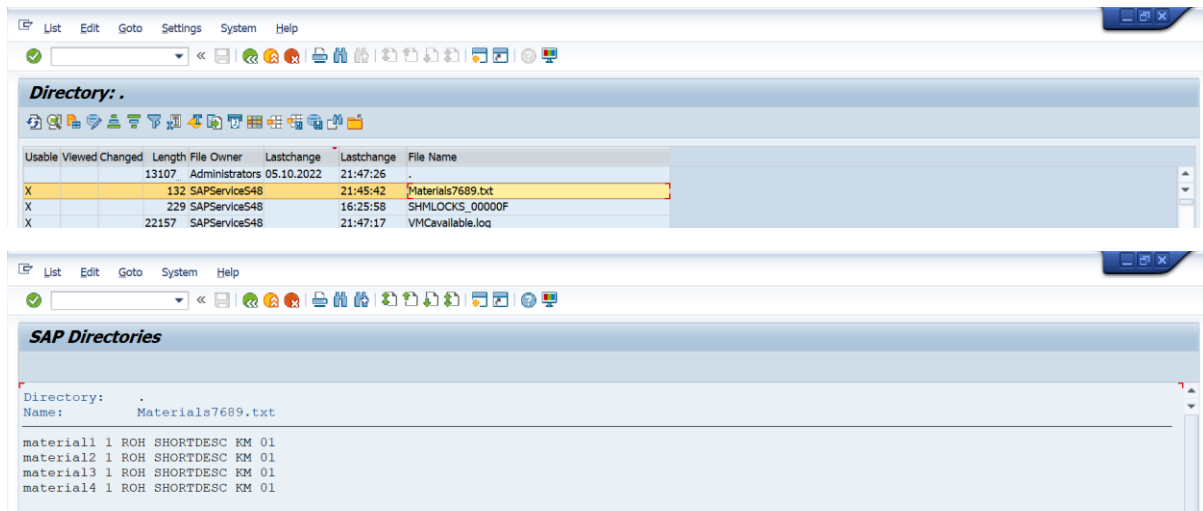
" save_file



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.
```

```

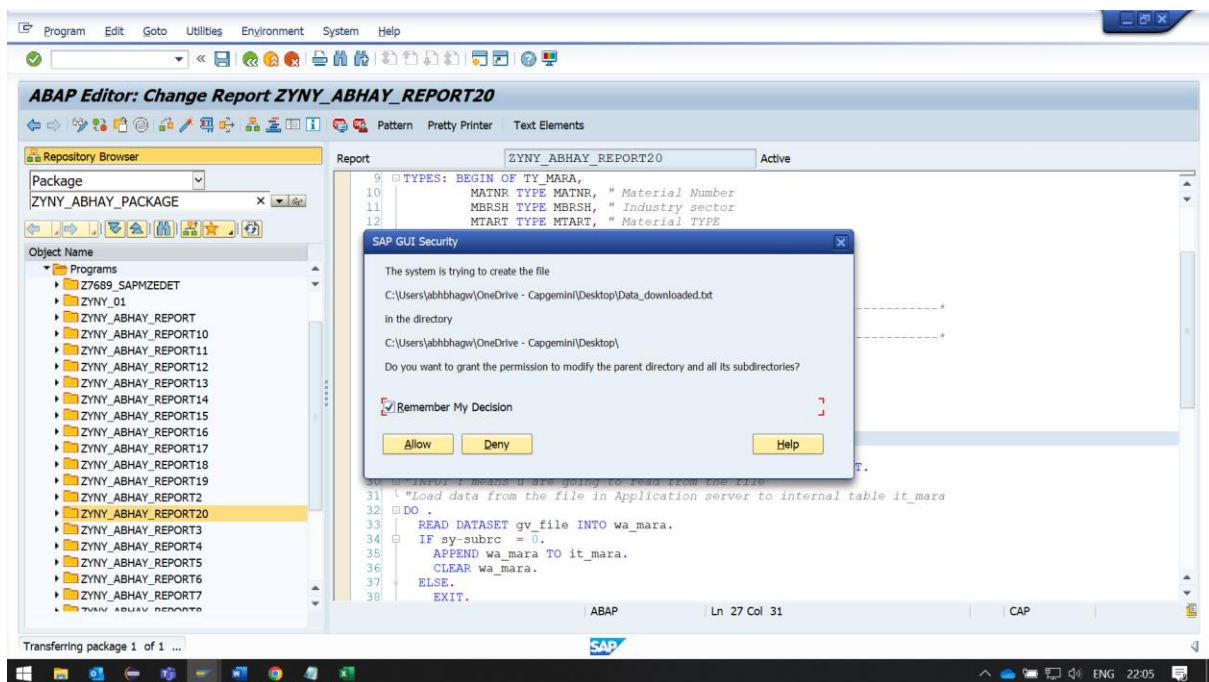
        CLEAR wa_mara.
    ELSE.
        EXIT.
    ENDIF.
ENDDO.

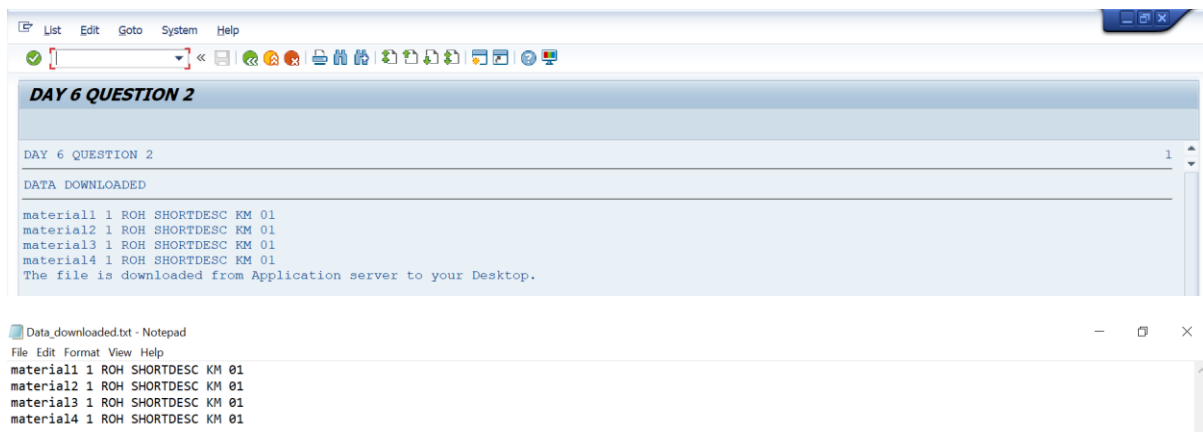
CLOSE DATASET gv_file.

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).

```

3  TYPES : BEGIN OF ty_mara,
4          matnr type matnr,
5          ernam type ernam,
6          pstat type pstat_d,
7          mstat type mstat,
8          matkl type matkl,
9      END OF ty_mara.
10
11 DATA : it_text type truxs_t_text_data,
12         it_mara type table of ty_mara,
13         wa_mara type ty_mara.
14
15 PARAMETERS : p_file type rlgrap-filename.
16
17 at SELECTION-SCREEN on VALUE-REQUEST FOR p_file.
18
19 CALL FUNCTION 'F4_FILENAME'
20     EXPORTING
21         FIELD_NAME      = 'P_FILE'
22     IMPORTING
23         FILE_NAME       = P_FILE
24     .
25
26 START-OF-SELECTION.
27
28 CALL FUNCTION 'TEXT_CONVERT_XLS_TO_SAP'
29     EXPORTING
30         I_TAB_RAW_DATA   = it_text
31         I_FILENAME       = P_FILE
32     TABLES
33         I_TAB_CONVERTED_DATA = it_mara
34     EXCEPTIONS
35         CONVERSION_FAILED   = 1
36         OTHERS              = 2
37     .
38 IF SY-SUBRC = 0.
39     MESSAGE 'Uploaded successfully' type 'I'.
40 ENDIF.

```

Output:

[illegible]