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.

```
1
        ROH SHORTDESC
material1
                   ΚM
                      01
     1
        ROH SHORTDESC
material2
                   KM
                      01
        ROH SHORTDESC
material3
     1
                   KM
                      01
     1
         ROH SHORTDESC KM
material4
                      01
_____
```

REPORT TO UPLOAD DATA FROM DESKTOP TO SERVER

CALL FUNCTION 'GUI_UPLOAD'

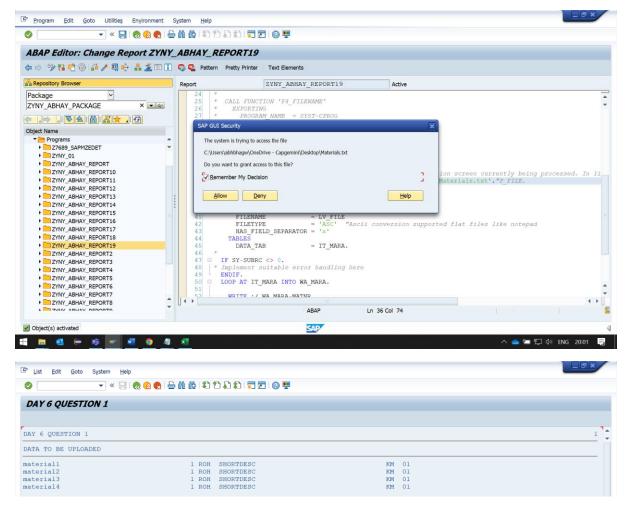
```
*&-----*
*& Report ZYNY ABHAY REPORT19
REPORT ZYNY ABHAY REPORT19.
* Type Decalaration
*----*
TYPES: BEGIN OF TY MARA,
       MATNR TYPE MATNR, " Material Number
       MBRSH TYPE MBRSH, " Industry sector
       MTART TYPE MTART, " Material TYPE
       MAKTX TYPE MAKTX, " MATERIAL DESC
       MEINS 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
```

```
EXPORTING
                         = LV_FILE
= 'ASC'
   FILENAME
   FILETYPE
   HAS FIELD SEPARATOR = 'x'
   DATA TAB
                          = IT MARA
  EXCEPTIONS
    FILE_OPEN_ERROR = 1
   FILE_READ_ERROR
NO_BATCH
    GUI REFUSE FILETRANSFER = 4
    INVALID_TYPE = 5
    NO AUTHORITY
    UNKNOWN ERROR
    BAD DATA FORMAT
                          = 8
    HEADER NOT ALLOWED = 9
    SEPARATOR NOT ALLOWED = 10
    HEADER_TOO_LONG = 11
UNKNOWN_DP_ERROR = 12
                          = 13
    ACCESS DENIED
    DP OUT OF MEMORY
                         = 14
    DISK FULL
                          = 15
                          = 16
    DP TIMEOUT
   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'.
 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.
```

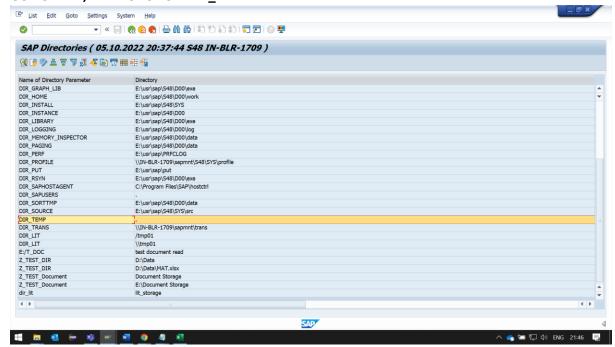
ENDFORM.

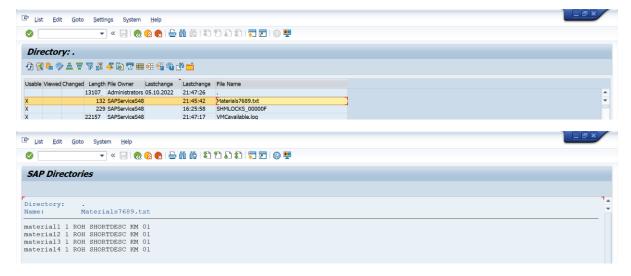
" save file



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
 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
                                                 = 'C:\Users\abhbhagw\OneDrive - Capgemini\Desktop
       filename
\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.
Program Edit Goto Utilities Environment System Help
                  ABAP Editor: Change Report ZYNY_ABHAY_REPORT20

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  Repository Browser
                                                          ZYNY_ABHAY_REPORT20
                                              TYPES: BEGIN OF TY MARA,
MATNR TYPE MATNR, " Material Number
MBRSH TYPE MBRSH, " Industry sector
MTART TYPE MTART, " Material TYPE
  Package
  ZYNY_ABHAY_PACKAGE
                             × • 60
  Object Name
     Programs
T7689_SAPMZEDET
TYNY_01
TYNY_ABHAY_REPORT
                                             The system is trying to create the file
                                            C:\Users\abhbhagw\OneDrive - Capgemini\Desktop\Data_downloaded.txt
                                            in the directory
       ZYNY ABHAY REPORT10
                                            C:\Users\abhbhagw\OneDrive - Capgemini\Desktop\
      ZYNY_ABHAY_REPORT11

ZYNY_ABHAY_REPORT12

ZYNY_ABHAY_REPORT13

ZYNY_ABHAY_REPORT14
                                            Do you want to grant the permission to modify the parent directory and all its subdirectories?
                                                                                               7
                                            Remember My Decision
       ZYNY ABHAY REPORT15
      ZYNY_ABHAY_REPORT15

ZYNY_ABHAY_REPORT16

ZYNY_ABHAY_REPORT17

ZYNY_ABHAY_REPORT18

ZYNY_ABHAY_REPORT19

ZYNY_ABHAY_REPORT19
                                            Allow Deny
                                                                                        Help
                                                  and data from the file in Application server to internal table it mara
                                             DO.

READ DATASET GY file INTO Wa_mara.

IF sy-subrc = 0.

APPEND Wa_mara TO it_mara.

CLEAR Wa_mara.
        ZYNY ABHAY REPORTED
      ZYNY_ABHAY_REPORT3

ZYNY_ABHAY_REPORT4

ZYNY_ABHAY_REPORT5

ZYNY_ABHAY_REPORT6
                                                  EXIT.
      ZYNY_ABHAY_REPORT7
                                                                                  Ln 27 Col 31
                                                                     ABAP
  Transferring package 1 of 1 ...
                                                                     SAP
```

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```
DAY 6 QUESTION 2

DAY 6 QUESTION 2

DAY 6 QUESTION 2

DATA DOWNLOADED

material1 1 ROH SHORTDESC KM 01
material2 1 ROH SHORTDESC KM 01
material3 1 ROH SHORTDESC KM 01
material4 1 ROH SHORTDESC KM 01
The file is downloaded from Application server to your Desktop.

Data_downloaded.txt · Notepad

File Edit Format View Help
material1 1 ROH SHORTDESC KM 01
material2 1 ROH SHORTDESC KM 01
material3 1 ROH SHORTDESC KM 01
material4 1 ROH SHORTDESC KM 01
```

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).

```
☐ TYPES : BEGIN OF ty_mara,
               matnr type matnr,
                ernam type ernam,
              pstat type pstat_d,
mtart type mtart,
                matkl type matkl,
           END OF ty_mara.
10
    DATA: it_text type truxs_t_text_data,
    it_mara type table of ty_mara,
    wa_mara type ty_mara.
13
14
15
    PARAMETERS : p_file type rlgrap-filename.
16
     at SELECTION-SCREEN on VALUE-REQUEST FOR p_file.
18
19
20
     CALL FUNCTION 'F4_FILENAME'
      EXPORTING
          FIELD NAME
                             = 'P FILE'
                         = P_FILE
      FILE_NAME
23
24
25
26
     START-OF-SELECTION.
27
28
29
30
     CALL FUNCTION 'TEXT_CONVERT_XLS_TO_SAP'
      EXPORTING
                           = it_text
= P FILE
       I_TAB_RAW_DATA
                                      = P_FILE
          I_FILENAME
          I_TAB_CONVERTED_DATA
                                     = it_mara
33
34
35
      EXCEPTIONS
       CONVERSION_FAILED
OTHERS
38 \Box IF SY-SUBRC = 0.
39
       MESSAGE 'Uploaded successfully' type 'I'.
     ENDIF.
```

Output:



4	Α	В	С	D	E	F	G	Н	1	J	K	L	M	N
1	CI.	LANGUAGE	Ctr	Name	Nationality									
2	100	E	DE	Germany	German									
3	100	E	IN	India	Indian									
4	100	F	DE	Allemagne	allemande									
5	100	I	DE	Germania	Tedesca									
6														
7														
8														
9														
10														
11														