BAN410/510 Individual Lab 8

During this lab, you will create a user defined table and make use of checkbox parameters to allow a user to write the contents of the user defined table to the screen, export the table contents as an external file, or both.

Creating Checkbox Parameters

So far we have been using textbox parameters to capture user input. There are other types of parameters allowed in the system, one of which is a checkbox. To have a checkbox parameter appear on the input screen when your program runs, declare a parameter like this:
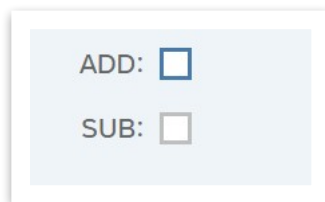
PARAMETERS *name of parameter* as checkbox.

For example, if you wanted to give users the choice between adding two numbers or subtracting two numbers depending on whether they check an Add or a Subtract checkbox, you could do the following:
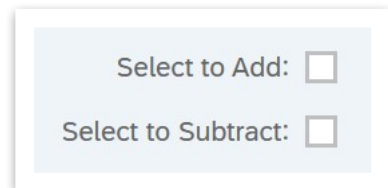
PARAMETERS add as checkbox.
PARAMETERS sub as checkbox.

When the program runs, the input screen would look like this:

You can alter the parameter text the same way as textbox parameters using the selection texts screen to make the input screen look nicer, like this:

When a parameter checkbox is selected, the SAP system will populate the selected parameter with a value of a capital X. To use the parameters in your program, you can simply check to see if a checkbox is equal to X. See the example below for a calculator program logic allowing a user to select add or subtract:

If add = 'X'.
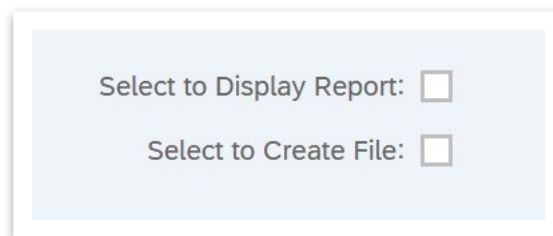*Code that adds* .
ELSEIF sub = 'X'.
Code that subtracts.
ENDIF.

Build and Populate User Defined Table

To begin, create a new user defined table that holds first names, last names and email addresses. Remember that your first field in your table must be the MANDT field with a data type of CLNT. You will also need a second key field (something like ID). Make sure your ID field and the MANDT field are both selected as key fields for your table. After successfully creating your table, populate it with at least 5 records.

Lab Program Requirements

After building and populating your user defined table, create a program that accomplishes the following.

When the user runs the program, they should be presented with an input screen that displays two parameter checkboxes:

Select to Display Report: ☐

Select to Create File: ☐

If the user checks the Display Report checkbox, the program will display a report listing the first name, last name and email address for all records in your user defined table. The output should look like this (of course your program will display the contents of your user defined table):

First Name	Last Name	Email
MARK	JOHNSON	MAJ123@YAHOO.COM
LAURA	JOHNSON	LAJ34@GMAIL.COM
RALPH	SMITH	RALPH6767@GMAIL.COM
BARBARA	JONES	BARBARAJ@HOTMAIL.COM
RANDALL	WHITE	RWHITE34@YAHOO.COM
KATE	JONES	KAYJONES@YAHOO.COM
SHAWN	BROWN	SHBROWN@GMAIL.COM
TERRY	BROWN	TB456@GMAIL.COM
BRADLEY	WILLIAMS	WILLIAMSB@GMAIL.COM
DOUG	WILLIAMS	DOUGWILL@YAHOO.COM
AIDAN	REICH	AIDANREICH@GMAIL.COM
JACOB	KLUZAK	JDK337@NAU.EDU
JAKOB	KLUZAK	JDK337@NAU.EDU
CARSON	DAYBELL	EMAIL@ADDRESS.COM

If the user checks the Create File checkbox, the program will export the records in your user defined table to an external file. To provide the user with some output, after the file is created the user should receive a message on the output screen informing them how many records were sent to the external file:

```
Records Created Successfully      14
```

If the user checks both checkboxes, the program will display the contents of the user defined tables, and create the external file. The program output will look similar to this:

```
First Name              Last Name               Email
MARK                    JOHNSON                 MAJ123@YAHOO.COM
LAURA                   JOHNSON                 LAJ34@GMAIL.COM
RALPH                   SMITH                   RALPH6767@GMAIL.COM
BARBARA                 JONES                   BARBARAJ@HOTMAIL.COM
RANDALL                 WHITE                   RWHITE34@YAHOO.COM
KATE                    JONES                   KAYJONES@YAHOO.COM
SHAWN                   BROWN                   SHBROWN@GMAIL.COM
TERRY                   BROWN                   TB456@GMAIL.COM
BRADLEY                 WILLIAMS                WILLIAMSB@GMAIL.COM
DOUG                    WILLIAMS                DOUGWILL@YAHOO.COM
AIDAN                   REICH                   AIDANREICH@GMAIL.COM
JACOB                   KLUZAK                  JDK337@NAU.EDU
JAKOB                   KLUZAK                  JDK337@NAU.EDU
CARSON                  DAYBELL                 EMAIL@ADDRESS.COM
Records Created Successfully      14
```

Once complete, activate your program and submit a text version of your program code in Canvas for credit.