**Paramerterization**

Parameterization **is** **nothing** but giving multiple Input/Test data **to** the test script.  
  
Different ways **to** Parameterize:

1.  Input the Test data from External files.  
2.  Input the Test data through Datatable.  
3.  Input Test data through **loop** statements.  
4.  Input Test data dynamically through interactive submission.

**Input the Test data from External files:**  
**Set** myxl = **createobject**("excel.application")   
 myxl.Workbooks.Open "D:\parameter.xls"  
myxl.Application.Visible = **true**   
 **set** mysheet = myxl.ActiveWorkbook.Worksheets("Sheet1")  
   
*'contents of sheet1*  
*'Uname              Pwd*  
*'------------     ------------*  
*'qtpworld.com       qtp*  
*'admin              qtp*  
*'                   qtp*  
*'admin*  
*'abcd              abcd*  
 ‘*Launch Gmail*  
Systemutil.Run "iexplore.exe","http:\\www.gmail.com"  
 Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").Sync  
 *'Get the max row occupied in the excel file*  
Row=mysheet.UsedRange.Rows.Count   
 *To read the data from the entire Excel file*  
**For** i= 2 **to** Row  
 Username=mysheet.cells(i,1).value  
Password=mysheet.cells(i,2).value  
 *Enter Email id in Username Field*  
Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").WebEdit("name:=Email").**Set** Username  
 *'Enter password in Passowrd Field*  
Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").WebEdit("name:= Passwd").**Set** Password  
 **wait** 1  
**Next**

*'Close the Workbook*  
myxl.ActiveWorkbook.Close  
 *'Close Excel*  
myxl.Application.Quit

*'Release the objects*  
**Set** mysheet =**nothing**  
**Set** myxl = **nothing**

**Input the Test data through Datatable:**  
*'contents of  Global Sheet*  
*'Username         Password*  
*'-------------   ------------*  
*'qtpworld.com     qtp*  
*'admin            qtp*  
*'                 qtp*  
*'admin*  
*'abcd             abcd*  
 *'Get the max used range of the datasheet "Global"*  
row=datatable.GetSheet("Global").GetRowCount  
 *'Launch gmail.com*  
Systemutil.Run  "iexplore.exe","http:\\www.gmail.com"  
 Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").Sync  
 **For**   Drow= 1 **to** row  
 datatable.GetSheet("Global").SetCurrentRow(Drow)  
Username=datatable.Value("Username","Global")  
Password=datatable.Value("Password","Global")  
 *' Enter  Email id in Username Field*  
Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").WebEdit("name:=Email").**Set** Username  
 *'Enter password in Passowrd Field*  
Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").WebEdit("name:= Passwd").**Set**  Password  
 **Wait** 1  
 **Next**

**Input Test data through loop statements:**  
*'parameterize using loop value*  
**For** orderno=1 **to** 10  
*'Login to sample Qtp flight application and keep the main window open.*  
Window("Flight Reservation").WinButton("Button").Click  
Window("Flight Reservation").Dialog("Open Order").WinCheckBox("Order No.").**Set** "ON"  
 *'Parameterize orderno using the loop value*  
Window("Flight Reservation").Dialog("Open Order").WinEdit("Edit").**Set** orderno  
Window("Flight Reservation").Dialog("Open Order").WinButton("OK").Click  
 **Next**

**Input Test data dynamically through interactive submission:**

*'Launch gmail.com*  
Systemutil.Run  "iexplore.exe","http:\\www.gmail.com"  
 Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").Sync  
 *'Allowing user to enter  User name and  Password  three times during run time*  
 **For**  i = 1 **to** 3   
 *'Allowing user to enter  User name and  Password*  
Username=**Inputbox**("Enter username")  
Password=**InputBox**("Enter Password")  
*' Enter  Email id in Username Field*  
Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").WebEdit("name:=Email").**Set** Username  
 *'Enter password in Passowrd Field*  
Browser("title:=Gmail: Email from Google").Page("title:=Gmail: Email from Google").WebEdit("name:= Passwd").**Set**  Password