**Data Driven Framework using Excel**

**import** java.io.IOException;

**import** jxl.Sheet;

**import** jxl.Workbook;

**import** jxl.read.biff.BiffException;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.testng.annotations.AfterTest;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.DataProvider;

**import** org.testng.annotations.Test;

**public** **class** Datadriven {

WebDriver driver;

Workbook wb;

Sheet sh1;

**int** numrow;

String username;

String password;

@BeforeTest

**public** **void** Setup()

{

driver=**new** FirefoxDriver();

driver.manage().window().maximize();

driver.get("http://www.facebook.com");

}

@Test(dataProvider="testdata")

**public** **void** TestFireFox(String uname,String password1)

{

driver.findElement(By.*id*("email")).clear();

driver.findElement(By.*id*("email")).sendKeys(uname);

driver.findElement(By.*id*("pass")).clear();

driver.findElement(By.*id*("pass")).sendKeys(password1);

}

@DataProvider(name="testdata")

**public** Object[][] TestDataFeed(){

**try** {

// load workbook

wb=Workbook.getWorkbook(**new** File("location of excel sheet/fbdata.xls"));

// load sheet in my case I am referring to first sheet only

sh1= wb.getSheet(0);

// get number of rows so that we can run loop based on this

numrow=  sh1.getRows();

}

**catch** (Exception e){

e.printStackTrace();

}

// Create 2 D array and pass row and columns

Object [][] facebookdata=**new** Object[numrow][sh1.getColumns()];

// This will run a loop and each iteration it will fetch new row

**for**(**int** i=0;i<numrow;i++){

// Fetch first row username & passwd

facebookdata[i][0]=sh1.getCell(0,i).getContents();

facebookdata[i][1]=sh1.getCell(1,i).getContents();

}

// Return 2d array object so that test script can use the same

**return** facebookdata;

}

@AfterTest

**public** **void** QuitTC()

{

driver.quit();

}

}