

package DataDrivenDemo

```
driver = new ChromeDriver();
      driver.get("https://www.login.hiox.com/login?referrer=easycalculation.com");
             driver.manage().window().maximize();
             driver.manage().timeouts().implicitlyWait(20, TimeUnit.SECONDS);
             driver.findElement(By.id("log_email")).sendKeys(UserName);
             driver.findElement(By.id("log_password")).sendKeys(Password);
             driver.findElement(By.xpath("//input[@name='log submit']")).click();
             Thread.sleep(5000);
             Assert.assertTrue(driver.getTitle().contains("Free Online Math
Calculator and Converter"),
                          "User Not able to login Sucessfully - Invalid
Credentails");
             System.out.println("User Able to login Sucessfully - Valid
Credentails");
      }
      @AfterMethod
      public void tearDown() {
             driver.quit();
      }
      @DataProvider(name = "EasyCalculation")
      public Object[][] passData() {
             Object[][] data = new Object[3][2];
             data[0][0] = "9740673180";
             data[0][1] = "raghubn";
             data[1][0] = "9740673180";
             data[1][1] = "raghubn@123";
             data[2][0] = "raghubn2";
             data[2][1] = "raghubn";
             return data:
      }
}
package DataDrivenDemo;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openga.selenium.WebDriver;
import org.openga.selenium.chrome.ChromeDriver;
import org.testng.Assert;
```

```
import org.testng.annotations.AfterMethod;
import org.testng.annotations.DataProvider:
import org.testng.annotations.Test;
import library.ExcelDataConfig;
public class EasyCalWithExcelDDT {
      WebDriver driver;
      @Test(dataProvider = "LoginHRM")
      public void Browser(String UserName, String Password) throws Exception {
             System.setProperty("webdriver.chrome.driver",
             "D:\\Selenium\\Selenium Browsers Jars\\Chrome 84\\chromedriver.exe");
             driver = new ChromeDriver();
      driver.get("https://www.login.hiox.com/login?referrer=easycalculation.com");
             driver.manage().window().maximize();
             driver.manage().timeouts().implicitlyWait(20, TimeUnit.SECONDS);
             driver.findElement(By.id("log_email")).sendKeys(UserName);
             driver.findElement(By.id("log_password")).sendKeys(Password);
             driver.findElement(By.xpath("//input[@name='log submit']")).click();
             Thread.sleep(5000);
             Assert.assertTrue(driver.getTitle().contains("Free Online Math
Calculator and Converter"),
                          "User Not able to login Sucessfully - Invalid
Credentails");
             System.out.println("User Able to login Sucessfully - Valid
Credentails");
      }
      @AfterMethod
      public void tearDown() {
             driver.quit();
      }
      @DataProvider(name = "LoginHRM")
      public Object[][] passData() {
             ExcelDataConfig config = new ExcelDataConfig(
      "D:\\SeleniumCompleteClass\\SW - DDT Concepts\\OrangeTestData\\OrangeHRM
TestData.xlsx");
             int rows = config.getRowCount(0);
             Object[][] data = new Object[rows][2];
             for(int i=0; i<rows; i++) {</pre>
                   data[i][0] = config.getData(0, i, 0);
                   data[i][1] = config.getData(0, i, 1);
             return data;
      }
}
```

```
package DataDrivenDemo;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
import org.testng.annotations.Test;
public class OrangeLogin {
      @Test
      public void Browser() throws Exception {
             System.setProperty("webdriver.chrome.driver",
             "D:\\Selenium\\Selenium Browsers Jars\\Chrome 84\\chromedriver.exe");
             WebDriver driver = new ChromeDriver();
             driver.navigate().to("https://opensource-
demo.orangehrmlive.com/index.php/auth/login");
             driver.manage().window().maximize();
             driver.manage().timeouts().implicitlyWait(20, TimeUnit.SECONDS);
             driver.findElement(By.id("txtUsername")).sendKeys("Admin");
             driver.findElement(By.id("txtPassword")).sendKeys("admin123");
      driver.findElement(By.xpath("//input[contains(@id,'btnLogin')]")).click();
             Thread.sleep(5000);
             System.out.println(driver.getTitle());
             Assert.assertTrue(driver.getTitle().contains("OrangeHRM"),
                          "User Not able to login Sucessfully - Invalid
Credentails");
             System.out.println("User Able to login Sucessfully - Valid
Credentails");
             driver.quit();
      }
}
```

package library;

```
import java.io.File;
import java.io.FileInputStream;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
public class ExcelDataConfig {
      XSSFWorkbook wb;
      XSSFSheet sheet1;
      public ExcelDataConfig(String excelpath) {
             try {
                    File src = new File(excelpath);
                    FileInputStream fis = new FileInputStream(src);
                    wb = new XSSFWorkbook(fis);
                   sheet1 = wb.getSheetAt(0);
             } catch (Exception e) {
                    System.out.println(e.getMessage());
             }
      }
      public String getData(int sheetNumber, int row, int column) {
             sheet1 = wb.getSheetAt(sheetNumber);
             String data = sheet1.getRow(row).getCell(column).getStringCellValue();
             return data;
      }
      public int getRowCount(int sheetIndex) {
             int row = wb.getSheetAt(sheetIndex).getLastRowNum();
             row = row + 1;
             return row;
      }
}
```

```
package ReadExcelData;
import java.io.File;
import java.io.FileInputStream;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
public class ReadData {
      public static void main(String[] args) throws Exception {
             File src = new File("D:\\LTI Selenium Samples\\Apache
TestData\\TestData.xlsx");
             FileInputStream fis = new FileInputStream(src);
             XSSFWorkbook wb = new XSSFWorkbook(fis);
             XSSFSheet sheet1 = wb.getSheetAt(0);
             String data0 = sheet1.getRow(0).getCell(0).getStringCellValue();
             System.out.println("Data form Excel is ...." + data0);
             String data1 = sheet1.getRow(0).getCell(1).getStringCellValue();
             System.out.println("Data form Excel is ...." + data1);
             wb.close();
      }
}
package ReadExcelData;
import java.io.File;
import java.io.FileInputStream;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
public class ReadDataFromLoop {
      public static void main(String[] args) throws Exception {
File src = new File("D:\\LTI Selenium Samples\\Apache TestData\\TestData.xlsx");
             FileInputStream fis = new FileInputStream(src);
             XSSFWorkbook wb = new XSSFWorkbook(fis);
             XSSFSheet sheet1 = wb.getSheetAt(0);
             int rowcount = sheet1.getLastRowNum();
              System.out.println("Total Rows in ExcelSheet ++++++.... " + rowcount);
              for(int i = 0; i<=rowcount; i++)</pre>
              {
                    String data0 = sheet1.getRow(i).getCell(0).getStringCellValue();
```

System.out.println("Data from Row ******.. " + i + " is " +

data0);

}

}

wb.close();

```
package ReadExcelData;
import library.ExcelDataConfig;

public class ReadExcelData {
    public static void main(String[] args)
    {
        ExcelDataConfig excel = new ExcelDataConfig("D:\\LTI Selenium Samples\\DDT Using Excel Sheet\\OrangeHRM TestData.xlsx");
        System.out.println(excel.getData(0, 0, 0));
    }
}
```