

**1)W.a.framework program for data driven framework
.-to get value from the excel and check into your
website**

<https://demo.automationtesting.in/SignIn.html>

**Direct check with login which email through login
successful or not.**

```
package tests;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
import org.testng.Assert;
```

```
import org.testng.annotations.*;
```

```
import utils.ExcelUtils;
```

```
import java.io.IOException;
```

```
public class LoginTest {
```

```
    WebDriver driver;
```

```
    @BeforeClass
```

```
    public void setup() {
```

```
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
```

```
    }
```

```
    @BeforeMethod
```

```
    public void openBrowser() {
```

```
        driver = new ChromeDriver();
```

```
        driver.get("https://demo.automationtesting.in/SignIn.html");
```

```
}
```

```
@DataProvider(name = "loginData")
```

```
public Object[][] loginData() throws IOException {
```

```
    ExcelUtils excel = new ExcelUtils("loginData.xlsx", 0);
```

```
    Object[][] data = excel.getDataArray();
```

```
    excel.close();
```

```
    return data;
```

```
}
```

```
@Test(dataProvider = "loginData")
```

```
public void testLogin(String username, String password) {
```

```
    driver.findElement(By.id("email")).sendKeys(username);
```

```
    driver.findElement(By.id("enterimg")).click(); // adjust if site differs
```

```
    driver.findElement(By.id("password")).sendKeys(password);
```

```
    try { Thread.sleep(2000); } catch (InterruptedException ignored) {}
```

```
    boolean isSuccessful = driver.getTitle().contains("ExpectedTitleAfterLogin");
```

```
    if (isSuccessful) {
```

```
        System.out.printf("Login successful for %s%n", username);
```

```
    } else {
```

```
        System.out.printf("Login failed for %s%n", username);
```

```
    }
```

```
    Assert.assertTrue(isSuccessful, "Login failed for user: " + username);
```

```
}
```

```
@AfterMethod
```

```
public void tearDown() {
```

```
    if (driver != null) {
```

```
        driver.quit();
    }
}
}
```

2) W.a.framework program for keyword driven framework

-given below keyword which you get from the Excel and check into

youwebsite

<https://demo.automationtesting.in/SignIn.html> .open browser,get url,click sign in.

```
package keywords;

import org.openqa.selenium.*;
import org.openqa.selenium.chrome.ChromeDriver;

public class Keywords {
    public WebDriver driver;

    public void openBrowser(String data) {
        if ("chrome".equalsIgnoreCase(data)) {
            driver = new ChromeDriver();
            driver.manage().window().maximize();
        }
    }
}
```

```

}

public void getUrl(String url) {
    driver.get(url);
}

public void click(String locatorType, String locator) {
    WebElement element = null;
    if ("xpath".equalsIgnoreCase(locatorType)) {
        element = driver.findElement(By.xpath(locator));
    } else if ("id".equalsIgnoreCase(locatorType)) {
        element = driver.findElement(By.id(locator));
    }

    element.click();
}

public void closeBrowser() {
    if (driver != null) {
        driver.quit();
    }
}
}

```

3) W.a.framework program for hybrid driven framework -given below keyword and Data both which you get from the Excel and check into you

website

<https://demo.automationtesting.in/SignIn.html.open>

browser,enter url,click signin.

```
package core;
```

```
import keywords.KeywordActions;
```

```
import org.apache.poi.ss.usermodel.*;
```

```
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
```

```
import java.io.*;
```

```
import java.lang.reflect.Method;
```

```
public class DriverScript {
```

```
    public static void main(String[] args) throws Exception {
```

```
        KeywordActions actions = new KeywordActions();
```

```
        try (FileInputStream fis = new FileInputStream("testdata/TestCases.xlsx");
```

```
            Workbook wb = new XSSFWorkbook(fis)) {
```

```
            Sheet sheet = wb.getSheetAt(0);
```

```
            Method[] methods = KeywordActions.class.getMethods();
```

```
            for (int i = 1; i <= sheet.getLastRowNum(); i++) {
```

```
                Row row = sheet.getRow(i);
```

```
                String keyword = row.getCell(0).getStringCellValue();
```

```
                String locatorType = row.getCell(1).getStringCellValue();
```

```
                String locatorKey = row.getCell(2).getStringCellValue();
```

```
String data = row.getCell(3).getStringCellValue();

for (Method method : methods) {
    if (method.getName().equalsIgnoreCase(keyword)) {
        if ("openBrowser".equalsIgnoreCase(keyword) ||
            "getUrl".equalsIgnoreCase(keyword)) {
            method.invoke(actions, data);
        } else if ("click".equalsIgnoreCase(keyword)) {
            method.invoke(actions, locatorType, locatorKey);
        } else if ("closeBrowser".equalsIgnoreCase(keyword)) {
            method.invoke(actions);
        }
        break;
    }
}
}
```