

Using data provider with excel integration to read data for data parameters in tests

```
package annotationPart1;
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.AfterMethod;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;

public class TestNGDemo3 {

    WebDriver driver;
    @Test(dataProvider = "EasyCalculation")
    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 = "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;
    }
}
```