Main class

Execution Main Method is starting here

```java
package datadrivenpackage;

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

import java.io.IOException;

public class MainFile {

public static WebDriver driver;


    public static void executionStarts()
    {
        System.setProperty("web driver.chrome.driver",
"src/test/resources/drivers/chromedriver.exe");
        driver = new ChromeDriver();

        //To maximize window size
        driver.manage().window().maximize();

        //Launching web browser

    }

    public static void closingBrowser()
    {
        driver.quit();
    }




    public static void main(String[] args) throws IOException {
        MainFile.executionStarts();
        ExecutionScript executionScript=new ExecutionScript();
        executionScript.fetchToWebElements(driver);
        MainFile.closingBrowser();



    }
}
```

ExecutionScript

This is to get values from Excel and fetching to pagefactory

```java
package datadrivenpackage;

import org.apache.poi.xssf.usermodel.XSSFCell;
import org.apache.poi.xssf.usermodel.XSSFRow;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
import org.openqa.selenium.WebDriver;

import java.io.FileInputStream;
import java.io.IOException;
import java.time.Duration;
import java.util.ArrayList;
import java.util.List;

public class ExecutionScript {
    public  FileInputStream fileInputStream;
    public  XSSFWorkbook workbook;
    public  XSSFSheet sheet;
    public  XSSFRow row;
    public  String column;

    public  String[] content;
    public  String username, Password;
    public  int no_of_cells, no_of_rows;
    public  List<String> userName=new ArrayList<>();
    public  List<String> pass=new ArrayList<>();
    public  void readFromExcel(int n,int no_of_cells)  {

        row = sheet.getRow(n);
        int j=1;
        while(j<=no_of_cells)
        {
            XSSFCell col = row.getCell(j);
                column=col.getStringCellValue();


            switch(j) {
                case 1:    userName.add(column);
                            j++;
```

```java
                case 2:   pass.add(column);
                        System.out.println(pass.size());
                        j++;
            }
        }
    }


    public void fetchToWebElements(WebDriver driver) throws IOException {
        fileInputStream = new
FileInputStream("C:\\Users\\Dell\\IdeaProjects\\mavenpro\\src\\test\\resources\
\Data_Driven.xlsx");
        workbook = new XSSFWorkbook(fileInputStream);
        sheet = workbook.getSheet("Sheet1");
        no_of_rows = sheet.getLastRowNum();
        no_of_cells = sheet.getRow(0).getLastCellNum();

        System.out.println(no_of_rows+""+no_of_cells);
        int n = 1;
        for (int i = 1; i<=no_of_rows; i++) {
            driver.get("https://demo.guru99.com/test/newtours/");

            //implicit wait to load web elements and to maintain synchronization
            driver.manage().timeouts().implicitlyWait(Duration.ofMillis(400));

            readFromExcel(n,2);
            for(int j=0;j<userName.size();j++)
            {
                username=userName.get(0);
            }
            for(int l=0;l< pass.size();l++)
            {
                Password=pass.get(0);
            }
            PageObjectFiles1 pageObjectFiles1=new PageObjectFiles1(driver);
             pageObjectFiles1.setUserName(username,Password);
            pageObjectFiles1.clicksubmit();
            n++;
            userName.remove(0);
            pass.remove(0);
        }
    }

}
```

PageFactory:

```java
package datadrivenpackage;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;

public class PageObjectFiles1 {

    WebDriver driver;
    public PageObjectFiles1(WebDriver d)
    {
        driver=d;
        PageFactory.initElements(driver,this);
    }

    @FindBy(name="userName")
    WebElement userName;


    @FindBy(name="password")
    WebElement password;

    @FindBy(name="submit")
    WebElement submit;

    public void setUserName(String username1,String password1)

    {

        userName.sendKeys(username1);
            password.sendKeys(password1);
    }

    public void clicksubmit()
    {
        submit.click();
    }


}
```
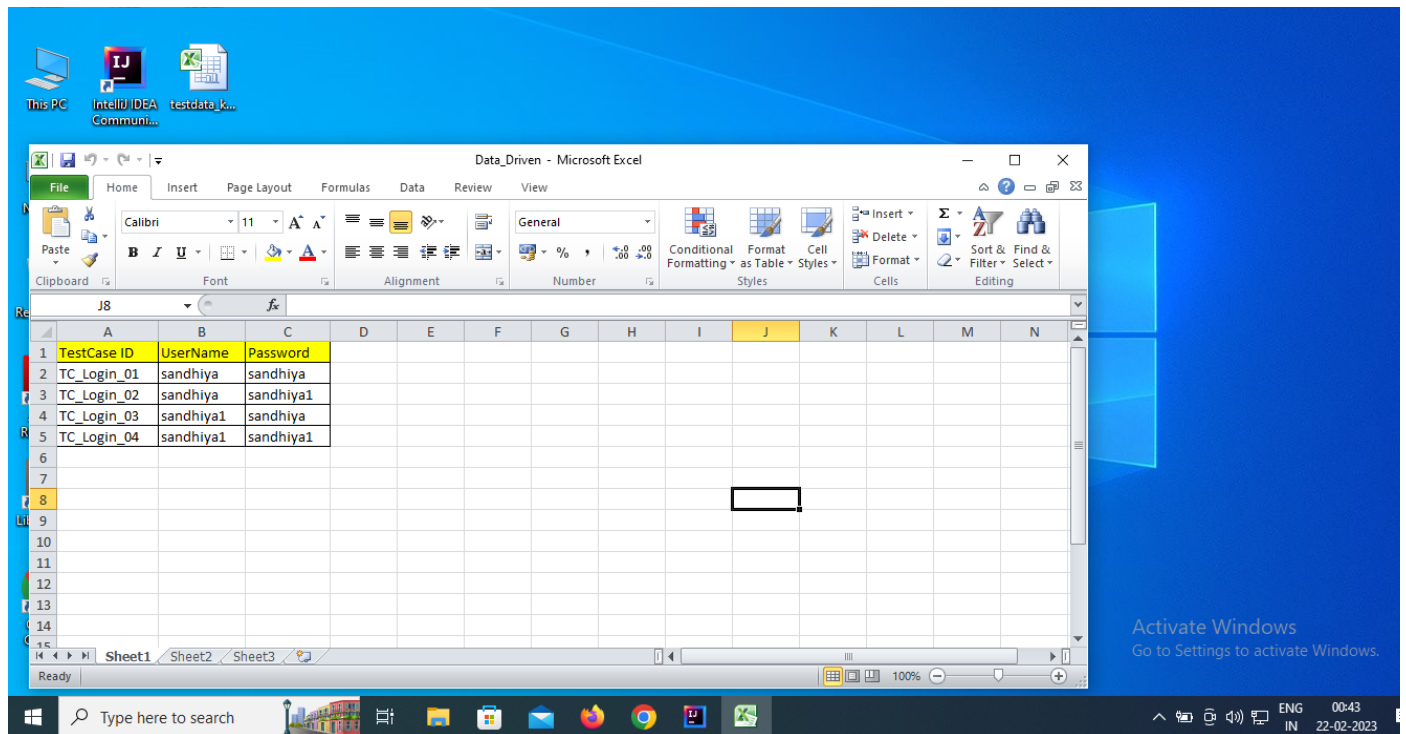
My excel file

TestCase ID	UserName	Password
TC_Login_01	sandhiya	sandhiya
TC_Login_02	sandhiya	sandhiya1
TC_Login_03	sandhiya1	sandhiya
TC_Login_04	sandhiya1	sandhiya1