```java
package data.driven.DataDriven;

import java.io.File;
import java.io.FileInputStream;
import java.io.IOException;
import java.text.SimpleDateFormat;
import java.util.Date;

import org.apache.poi.ss.usermodel.Cell;
import org.apache.poi.ss.usermodel.DateUtil;
import org.apache.poi.ss.usermodel.Row;
import org.apache.poi.ss.usermodel.Sheet;
import org.apache.poi.ss.usermodel.Workbook;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class BaseClass {
    static WebDriver driver;

    public static void launch(String url) {
        System.setProperty("webdriver.chrome.driver",
                "C:\\Users\\hi\\eclipse-
workspace\\KV\\SeleniumProject\\driver\\chromedriver.exe")
;
        driver = new ChromeDriver();
        driver.get(url);
    }

    public static void click(WebElement e) {
        e.click();
    }

    public static void type(WebElement e, String s) {
        e.sendKeys(s);
    }

    public static void close() {
```

```java
				driver.quit();
		}

		public static String getData(int row, int cell)
	throws IOException {
				File f = new File("C:\\Users\\hi\\eclipse-
	workspace\\KV\\DataDriven\\excel\\DataDriven.xlsx");
				FileInputStream in = new FileInputStream(f);
				Workbook w = new XSSFWorkbook(in);
				Sheet s = w.getSheet("Data1");
				Row r = s.getRow(row);
				Cell c = r.getCell(cell);
				int type = c.getCellType();
				String value = null;
				if (type == 1) {
					value = c.getStringCellValue();
				}
				else if (type == 0) {
					if (DateUtil.isCellDateFormatted(c)) {
						Date date = c.getDateCellValue();
						SimpleDateFormat sim = new
	SimpleDateFormat("mm/dd/yyyy");
						value = sim.format(date);
					}
					else {
						double num = c.getNumericCellValue();
						long l = (long) num;
						value = String.valueOf(l);
					}
				}
				return value;
		}
}
```

LOCATOR CLASS

```java
package data.driven.DataDriven;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;

public class Locators extends BaseClass {
    public Locators() {
        PageFactory.initElements(driver, this);
    }
    @FindBy(id = "email")
    private WebElement txtEmail;

    @FindBy(id = "pass")
    private WebElement txtpass;

    @FindBy(id = "loginbutton")
    private WebElement btnLogin;

    public WebElement getTxtEmail() {
        return txtEmail;
    }
    public WebElement getTxtpass() {
        return txtpass;
    }

    public WebElement getBtnLogin() {
        return btnLogin;
    }

}
```

```java
package data.driven.DataDriven;

import java.io.IOException;

public class DataRead  extends BaseClass{
    public static void main(String[] args) throws
IOException {
        launch("https://www.facebook.com/");
        Locators l=new Locators();
        type(l.getTxtEmail(), getData(1, 0));
        type(l.getTxtpass(), getData(0, 0));
        click(l.getBtnLogin());
        close();

    }
}
```