

## 12. Demonstrate how data is read from an Excel sheet in Selenium.

**Step 1:** Reading the data from the Excel sheet:

- Create an Excel, enter the data, and Save it in a particular location.
- Create a Project.
- Open Eclipse -> File -> New -> Java Project.
- Create a class.
- Right-click on src (default package) -> New -> Class.
- Load the file and specify the path in it:  
`FileInputStream obj = new FileInputStream ("Path of the excel sheet")`
- Load the Workbook:  
`Workbook obj1 = WorkbookFactory.create(obj);`
- Load the Sheet:  
`Sheet obj2 = obj1.getSheet("Sheet1");`
- Specify which row you want to read:

`Row obj3 = obj2.getRow(1);`

- Specify which column to read and the data type:  
`Cell obj4 = obj3.getCell(0);`  
`String st = obj4.getStringCellValue();`
- Code in Eclipse will look like this:

```
//Load the file
FileInputStream fis = new FileInputStream("/home/ubuntu/Desktop/Testdata.xlsx");
//Load the Workbook
Workbook wb = WorkbookFactory.create(fis);
//Load Sheet
Sheet sh = wb.getSheet("Sheet1");
//Specify which row you want to read
Row rw = sh.getRow(1);
//Specify which cell want to read and which data type
Cell cel = rw.getCell(0);
String st = cel.getStringCellValue();
System.out.println("Username is"+ st);
```

## Step 2: Write the data in an Excel sheet

- Create an Excel file, enter the data, and save it in a particular location.
- Create a Project.
- Open Eclipse -> File -> New -> Java Project.
- Create a class.
- Right-click on src (default package) -> New -> Class.
- Load the file and specify the path in it.

```
FileInputStream obj = new FileInputStream ("Path of the excel sheet")
```

- Load the Workbook.

```
Workbook obj1 = WorkbookFactory.create(obj);
```

- Load the Sheet.

```
Sheet obj2 = obj1.getSheet("Sheet1");
```

- Specify which row you want to read:

```
Row obj3 = obj2.getRow(1);
```

- Specify in which column you want to write:

```
Cell obj4 = obj3.getCell(0);
```

```
obj4.setCellValue("Enter the value");
```

- Write the output to a file.

```
FileOutputStream obj5 = new FileOutputStream("Path of the excel sheet");
```

```
Obj1.write(obj5);
```

- Code in Eclipse will look like this:

```
//Load the file
FileInputStream fis = new
FileInputStream("/home/ubuntu/Desktop/Testdata.xlsx");
//Load the Workbook
Workbook wb = WorkbookFactory.create(fis);
//Load Sheet
Sheet sh = wb.getSheet("Sheet1");
//Specify which row you want to read
Row rw = sh.getRow(1);
//Specify which row want to read and which data type
Cell cel = rw.getCell(0);
```

```
cel.setCellValue("John");  
//Write the output to a file  
FileOutputStream fout = new  
FileOutputStream("/home/ubuntu/Desktop/Testdata.xlsx");  
wb.write(fout);
```

### **Step 3:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

```
git init
```

Add all the files to your git repository using the following command:

```
git add .
```

Commit the changes using the following command:

```
git commit . -m "Changes have been committed."
```

Push the files to the folder you initially created using the following command:

```
git push -u origin master
```