1.13 Reading Data from an Excel Sheet

This section will guide you to:

* Read/write data from an Excel sheet.

This guide has three subsections, namely:

1.13.1 Reading the data from the Excel sheet

1.13.2 Writing the data in an Excel sheet

1.13.3 Pushing the code to your GitHub repositories

**Step 1.13.1:** 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 1.13.2:** 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 1.13.3:** 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