Excel Code

File src=**new** File("C:\\Users\\Cyril.s\\Desktop\\Test.xlsx");

FileInputStream fis=**new** FileInputStream(src);

XSSFWorkbook wb=**new** XSSFWorkbook(fis);

XSSFSheet sh1= wb.getSheetAt(0);

System.***out***.println(sh1.getRow(0).getCell(0).getStringCellValue());

System.***out***.println(sh1.getRow(0).getCell(1).getStringCellValue());

sh1.getRow(0).createCell(2).setCellValue("2.41.0");

sh1.getRow(1).createCell(2).setCellValue("2.5");

FileOutputStream fout=**new** FileOutputStream(**new** File("C:\\Users\\Cyril.s\\Desktop\\Test.xlsx"));

wb.write(fout);

fout.close();

* Create a File object and get the input file
* Then using File input stream, get the file as input
* Create a workbook object using XSSFWorkbook
* Then using XSSFSheet get the sheet value
* Then we can get data using sheet object as, sh.getrow,getcell.getstringcellvalue
* If we need to update the value to excel sheet, then we can use the same type of command as
* Sh.getrow.createcell.sercellvalue()
* To write the value to excel, we need to create a file output stream
* Then using workbook object, we can write it to file as eb.write(fout)
* The close the excelsheet using fout.close.

SQL Code

//Initialize Sqldriver instance

Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

String url = "jdbc:sqlserver://10.39.52.18:1453;DatabaseName;

// Creating the connection providing URL and username password

Connection con = DriverManager.getConnection(url, "warrexuser", "Extranet01");

Statement stmt = con.createStatement();

ResultSet result = stmt.executeQuery(“select top 30 v.REGISTRATIONNUMBER as Registration”);

result.next();

for(pf = 1; pf<21; pf++)

{

Q2B\_PFVRN[pf] = result.getString("Registration");

Q2B\_PFLoginName[pf] = result.getString("Login");

result.next();

}

Q2B\_VRN = Q2B\_PFVRN[1];

Q2B\_LoginName = Q2B\_PFLoginName[1];

con.close();

* Initialize SQLDriver Instance as Class.forname and then the SQLServerDriver
* Create a String for connection that has SQL Server and database name
* Then create a connection object and get the url, username and password using drivermanager.getconnection command
* Using connection object create a statement and pass it to statement object
* Then using statement object execute the query and store the result in resultset
* You can navigate through the results using the result.next
* Then close the connection as con.close.

Cucumber

Cucumberframeowrk contains three parts

* Feature file
* Step Definition file
* TestRunner file
* Featurefile contains the business requirements in Gherkin language, which is a business readable language with keywords as Feature, Scenario, given, when and then.

Feature: Login Feature

Verify if user is able to Login in to the site

Scenario: Login as a authenticated user

Given user is on homepage

When user navigates to Login Page

And user enters username and Password

Then success message is displayed

* Step Definition file contains the detailed steps for the feature file requirements.

@Given("^user is on homepage$")

**public** **void** user\_is\_on\_homepage() **throws** Throwable

* TestRunner File Contains the mapping of feature file, glueing of Step definition file and plugins for reporters.