**Creating DriverScript.java main method and ExcelUtilities.java method getTestCases() to get main testcases:**

Now we have created the main test cases, individual test cases with keywords, data file, action class and object repository for a simple admin login and logout functionality. Now we have to create Driver Script methods and Excel Utility methods to read the keywords from the test cases and do the corresponding actions.

The first thing we do is in the main method of DriverScript.java we write the code to get the paths for main test case sheet and pass to a method in ExcelUtilities.java. The method in ExcelUtilities.java reads the main test cases like TC01, TC02 etc with run mode as yes and also the workbook names and sheet names and pass them back to the main method. So lets see how to develop these two functions first.

**DriverScript.java main method:**

**public** **static** **void** main(String[] args) **throws** Exception {

excelUtilities eu = **new** excelUtilities();

Properties gldata = **new** Properties();

InputStream input = **new** FileInputStream("src/executionEngine/config.properties");

gldata.load(input);

List<List<String>> testcases = **new** ArrayList<List<String>>();

testcases = eu.getTestCases(gldata.getProperty("WB\_PATH\_TESTS"), gldata.getProperty("WB\_PATH\_TESTS\_SHEET"));

DriverScript.*prepareKeywords*(testcases);

}

**excelUtilities.java getTestCases() method:**

//This function will return all the main test cases like TC01, TC02 etc where run = "yes"

**public** List<List<String>> getTestCases(String wbpath, String sheetname) **throws** IOException{

//This list holds all the test cases

List<List<String>> testcases = **new** ArrayList<List<String>>();

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

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

XSSFSheet sheet = workbook.getSheet(sheetname);

//Get all the rows

Iterator<Row> rows = sheet.iterator();

**while**(rows.hasNext()) {

//This list holds each test case info test case no, workbook, sheet

List<String> testcaseinfo = **new** ArrayList<String>();

Row rowno = rows.next();

Cell tcvalue = rowno.getCell(0);

Cell wbvalue = rowno.getCell(1);

Cell shvalue = rowno.getCell(2);

Cell rvalue = rowno.getCell(4);

String testcasevalue;

String workbookvalue;

String sheetvalue;

String runvalue;

DataFormatter df = **new** DataFormatter();

runvalue = df.formatCellValue(rvalue);

**if**(runvalue.equalsIgnoreCase("yes")) {

testcasevalue = df.formatCellValue(tcvalue);

testcaseinfo.add(testcasevalue);

workbookvalue = df.formatCellValue(wbvalue);

testcaseinfo.add(workbookvalue);

sheetvalue = df.formatCellValue(shvalue);

testcaseinfo.add(sheetvalue);

testcases.add(testcaseinfo);

}

}

workbook.close();

**return** testcases;

}