**Getting the Individual Test Cases Keywords:**

Now we got the test cases information like test case no., the workbook name and sheet where these test cases are. Now we have to go into each test case and get the keyword for each test case. The following method does that by calling getKeywordsFromTestCase() method in excelUtilities.java file.

prepareKeywords() method in DriverScript.java:

**public** **static** **void** prepareKeywords(List<List<String>> testcases) **throws** IOException, ClassNotFoundException, NoSuchMethodException, SecurityException, IllegalAccessException, IllegalArgumentException, InvocationTargetException, InstantiationException, InterruptedException {

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

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

gldata.load(input);

**int** total\_testcases = testcases.size();

excelUtilities ecu = **new** excelUtilities();

**for**(**int** i=0; i<total\_testcases; i++) {

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

keywords = ecu.getKeywordsFromTestCase(testcases.get(i).get(0),gldata.getProperty("WB\_PATH\_TEST\_CASES")+testcases.get(i).get(1)+".xlsx", testcases.get(i).get(2));

System.***out***.println(keywords);

*getDependencies*(keywords);

}

}

getKeywordsFromTestCase() method in excelUtilities.java:

//This function will get the keywords from excel

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

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

//System.out.println("workingfine");

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

XSSFSheet sheet = workbook.getSheet(sheetname);

//Get all the rows

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

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

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

Row rowno = rows.next();

Cell tccell = rowno.getCell(0);

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

String tcvalue = df.formatCellValue(tccell);

**if**(tcvalue.equalsIgnoreCase(tcno)) {

Cell cellvalue = rowno.getCell(2);

String keyword = df.formatCellValue(cellvalue);

keywords.add(keyword);

}

}

workbook.close();

**return** keywords;

}

We get a list of keywords for each test case from the above methods.