**Creating DriverScript.java method prepareKeywords() and ExcelUtilities.java method getKeywordsFromTestCase() to get the individual test case keywords:**

Now we have the information of the main test cases like TC01, TC02 etc., whose run mode is “yes” and also the details like workbook and sheet name for these test cases.

Now we have to get the keywords for these test cases. So we will prepare another DriverScript.java methods which is prepareKeywords() and will call this method from main method and pass the information we have to this method. This method in turn will call the excelUtilities method getKeywordsFromTestCase() and get all the keywords.

**DriverScript.java prepareKeywords() method:**

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

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));

*getDependencies*(keywords);

}

}

**ExcelUtilities.java getKeywordsFromTestCase() method:**

//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);

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);

String tcvalue;

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

tcvalue = df.formatCellValue(tccell);

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

Cell cellvalue = rowno.getCell(2);

String keyword;

keyword = df.formatCellValue(cellvalue);

keywords.add(keyword);

}

}

workbook.close();

**return** keywords;

}