EXECUTION PROCESS

Created by

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Submitted

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1.INTRODUCTION

In this assignment we tried to implement how abstract test cases depending on triangle inequality problem are automated. This implementation explains step by step how you can basicallyimport the project and execute the source code from Eclipse Mars 2 IDE and also adding necessary jar files to the existing project.

2.**EXECUTION PROCESS**

5. **Project Creation**
   - In order to create a Java Project, initially open the Eclipse IDE and select **File -> New ->Java Project->** and then enter a project name as shown in Figure 1.

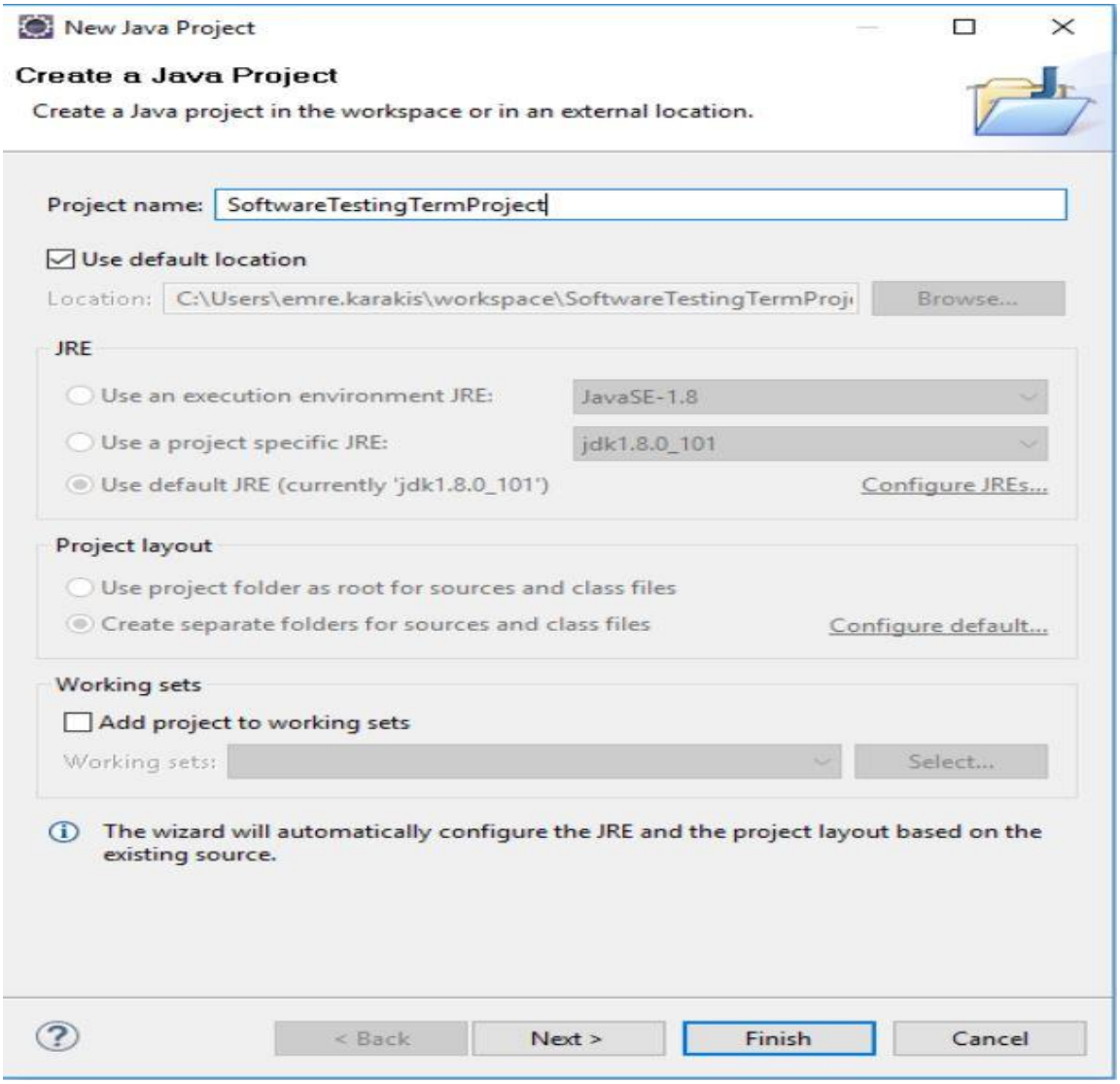

Figure-1

- After entering the project name, press finish button to display a Java Project in the Package Explorer segment.

2.Import Existing Project To Eclipse:

Select **File** and then **Import** as shown in the Figure-2.

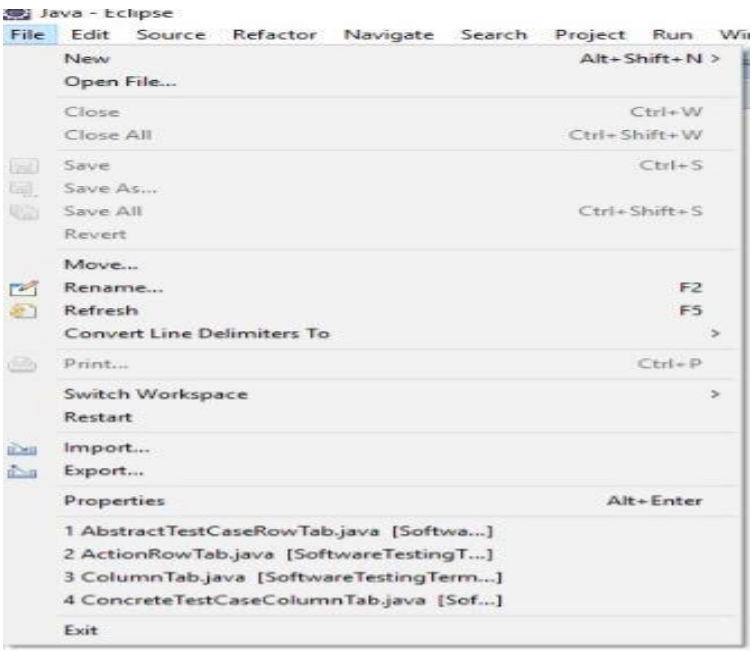

Figure-2

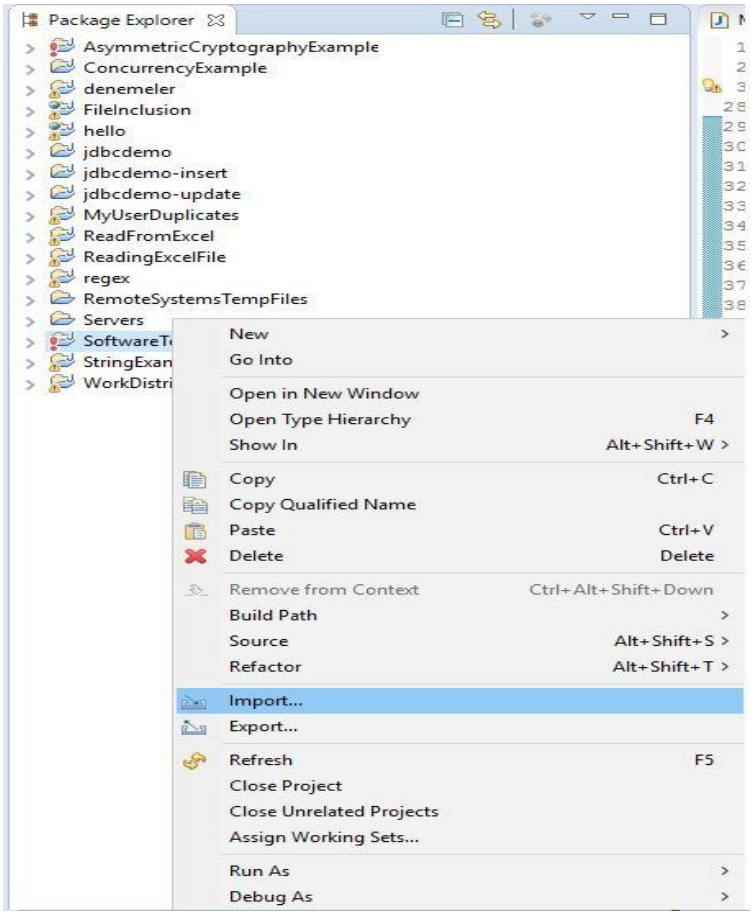
Package Explorer
AsymmetricCryptographyExample
ConcurrencyExample
denemeler
FileInclusion
hello
jdbcdemo
jdbcdemo-insert
jdbcdemo-update
MyUserDuplicates
ReadFromExcel
ReadingExcelFile
regex
RemoteSystemsTempFiles
Servers
StringExan
WorkDistri
New
Go Into
Open in New Window
Open Type Hierarchy F4
Show In Alt+Shift+W
Copy Ctrl+C
Copy Qualified Name
Paste Ctrl+V
Delete Delete
Remove from Context Ctrl+Alt+Shift+Down
Build Path
Source Alt+Shift+S
Refactor Alt+Shift+T
Import...
Export...
Refresh F5
Close Project
Close Unrelated Projects
Assign Working Sets...
Run As
Debug As

Figure-3

- After selecting Import, Figure-4 will be visible as shown below,

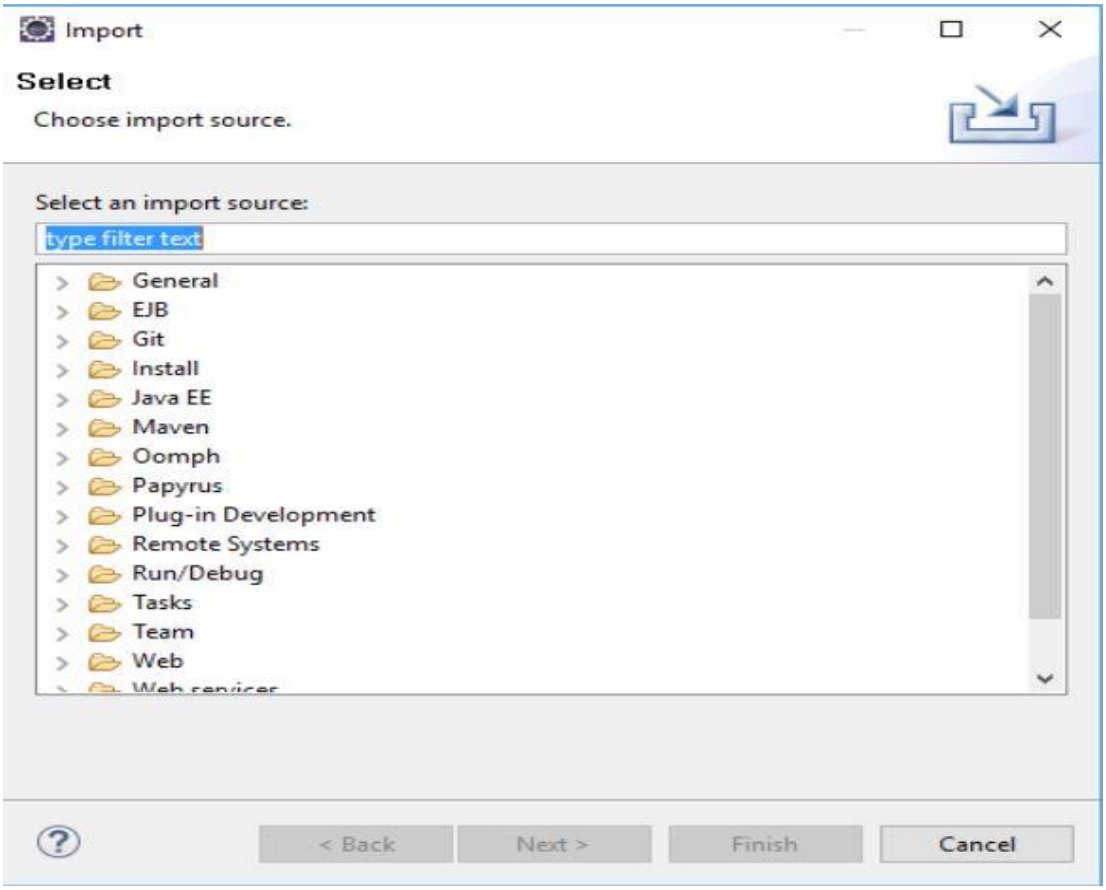

Figure-4

- After that, select **General**

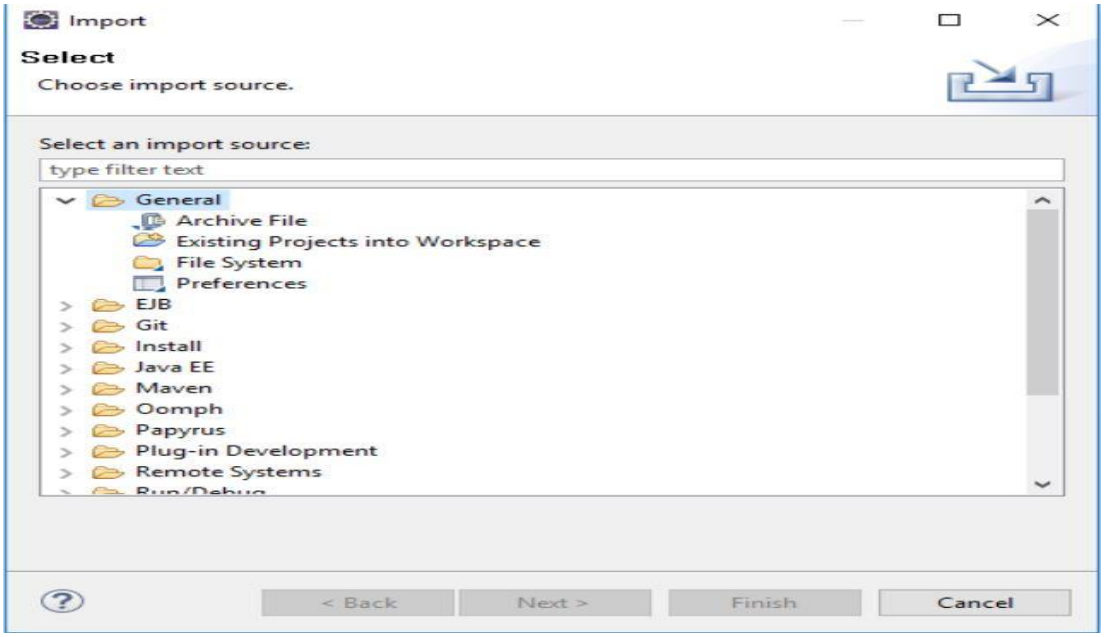

Figure-5

- After that **Select-> File System** and then find out the existing project from your file system by clicking on the **Browse** button.

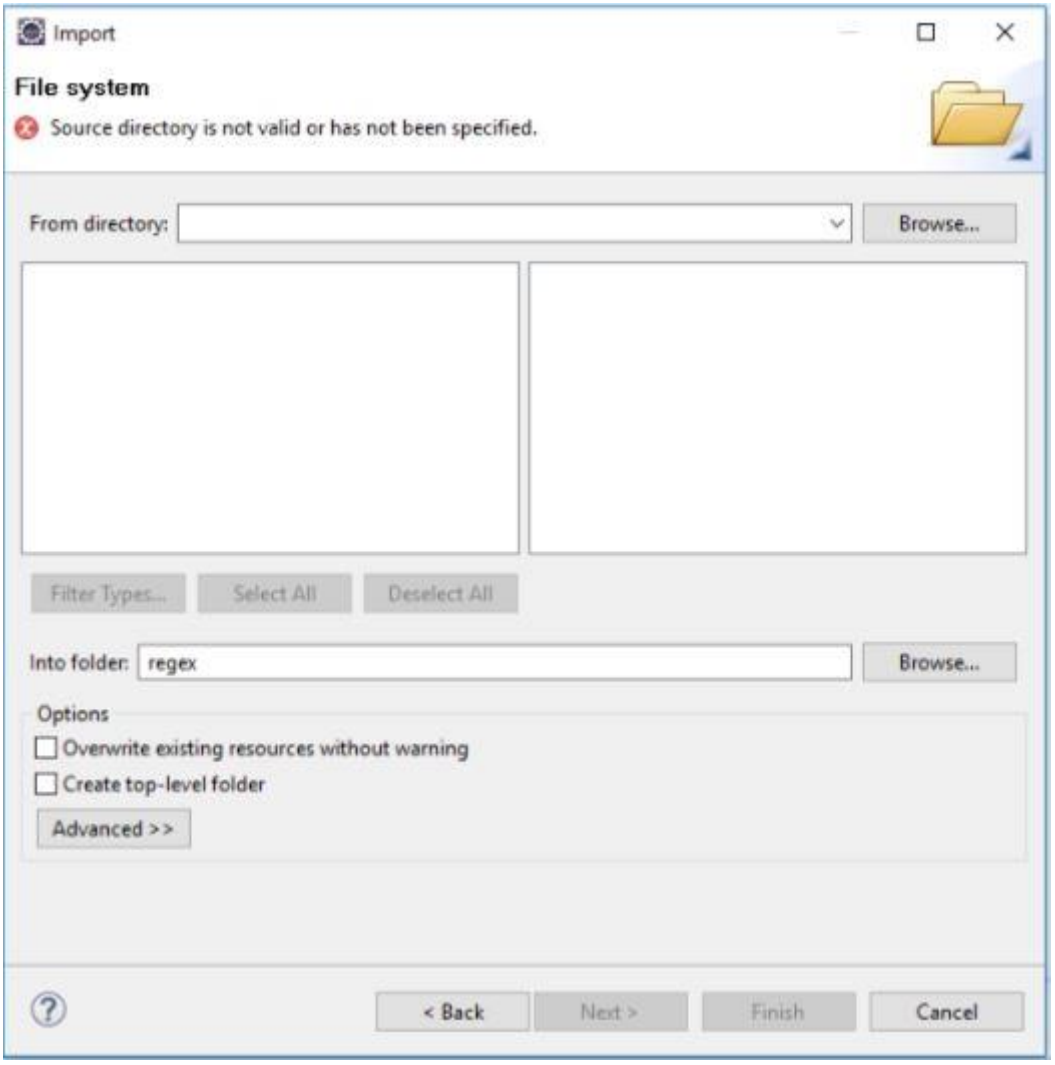

Figure-6

- The next step displays your file system like this

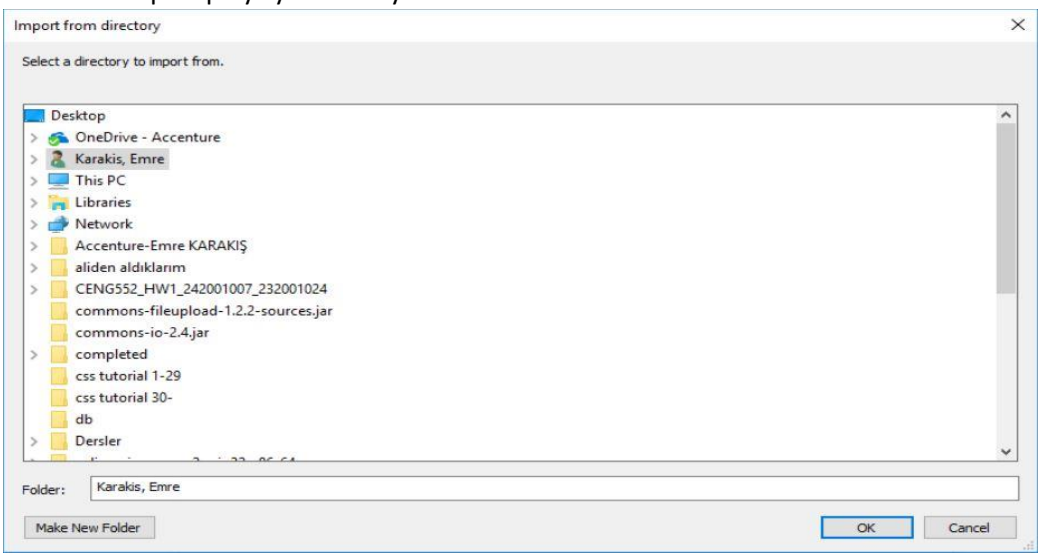

Figure-7

- Choose **CENG552_HW1_24001007_232001024** file in your directory and select **SoftwareTestingTermProject** file and then **From directory segment** will be visible as shown below.

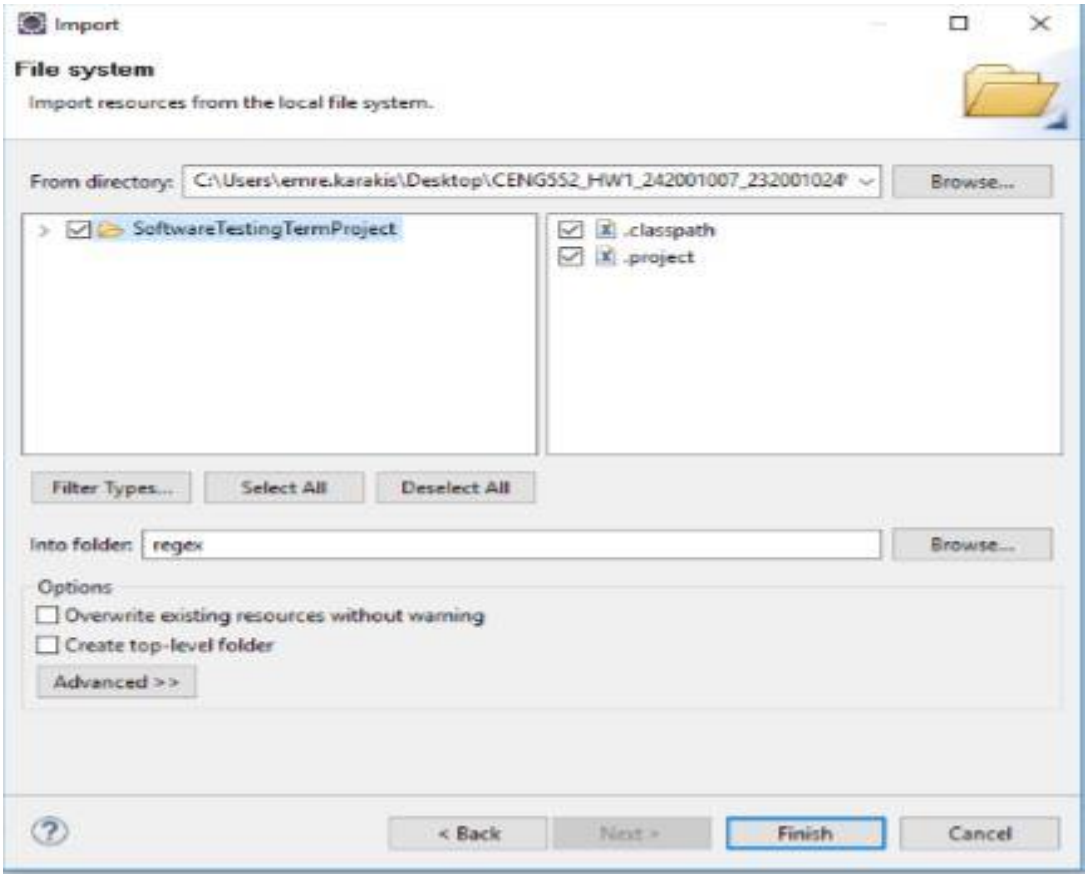

Figure-8

- In the following step , click **Browse** button in the **Into Folder** section as shown in Figure**.**Select the empty Java project which has previously created in the Eclipse Mars 2.0 IDE and named as “SoftwareTestingTermProject”.After choosing SoftwareTestingTermProject file and then click **Finish**.

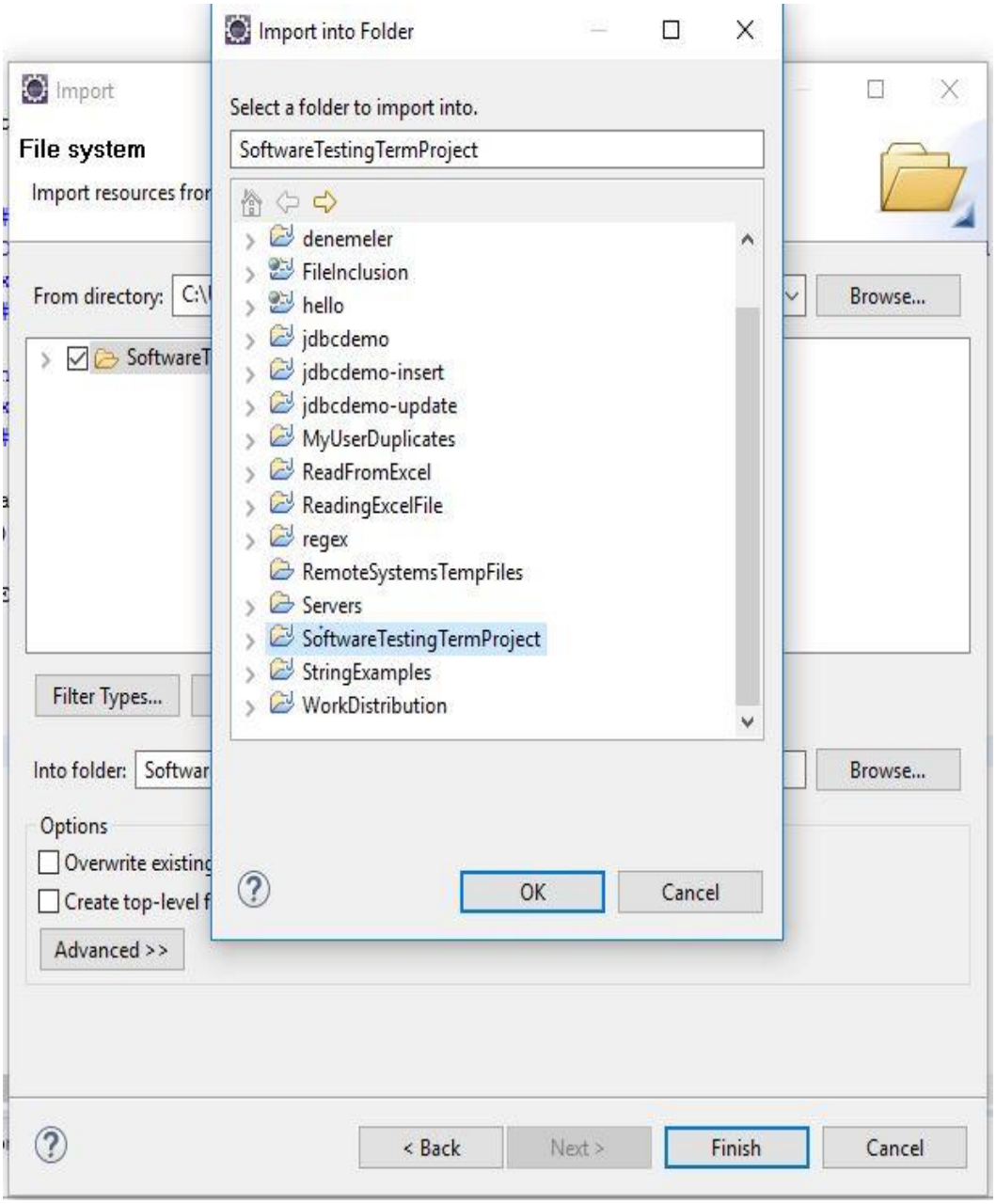

Figure-9

- After clicking **Finish** button, below figure will be visible.
- Click the **Yes to All** and then project will be successfully imported.

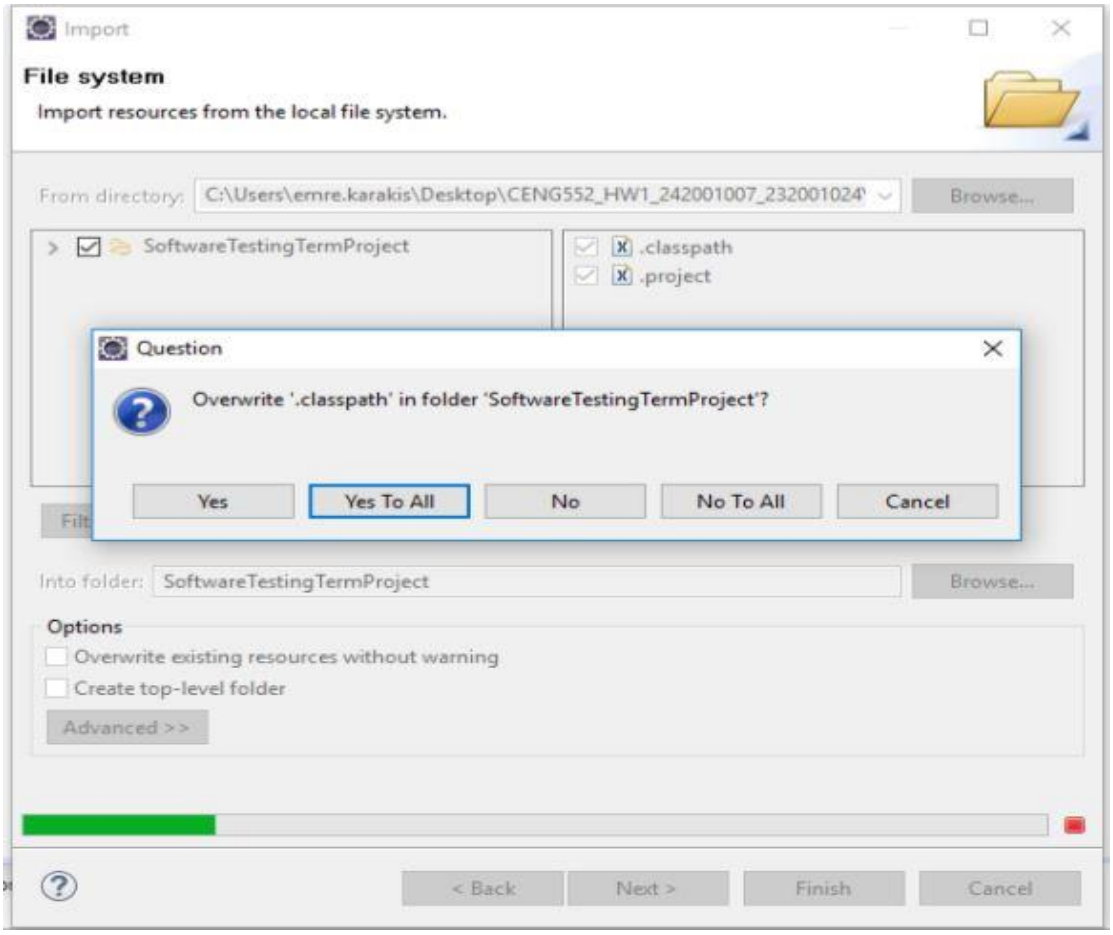
Import
File system
Import resources from the local file system.
From directory:
C:\Users\emre.karakis\Desktop\CENG552_HW1_242001007_232001024
Browse...
SoftwareTestingTermProject
.classpath
.project
Question
Overwrite '.classpath' in folder 'SoftwareTestingTermProject'?
Yes
Yes To All
No
No To All
Cancel
Into folder:
SoftwareTestingTermProject
Browse...
Options
Overwrite existing resources without warning
Create top-level folder
Advanced >>
< Back
Next >
Finish
Cancel

Figure-10

3.Add External JAR files

After importing the existing project in your directory, the project would contain some errors because of lack of jar files as shown below. In order to add jar files, first please go to **jar files** folder which is available under the **CENG552_HW1_24001007_232001024** folder.

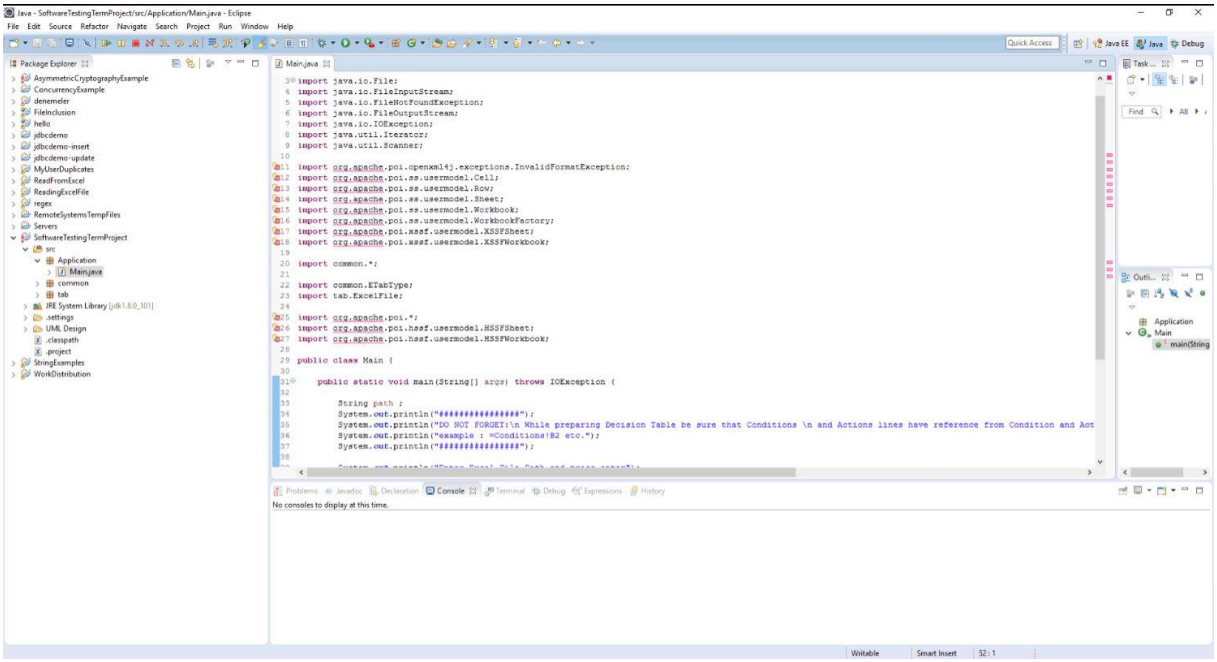

Figure-11

- In order to add jar files, please right click to the project named “SoftwareTestingTermProject” from **Package Explorer** and then select **Build Path -> Configure Build Path** as shown below.

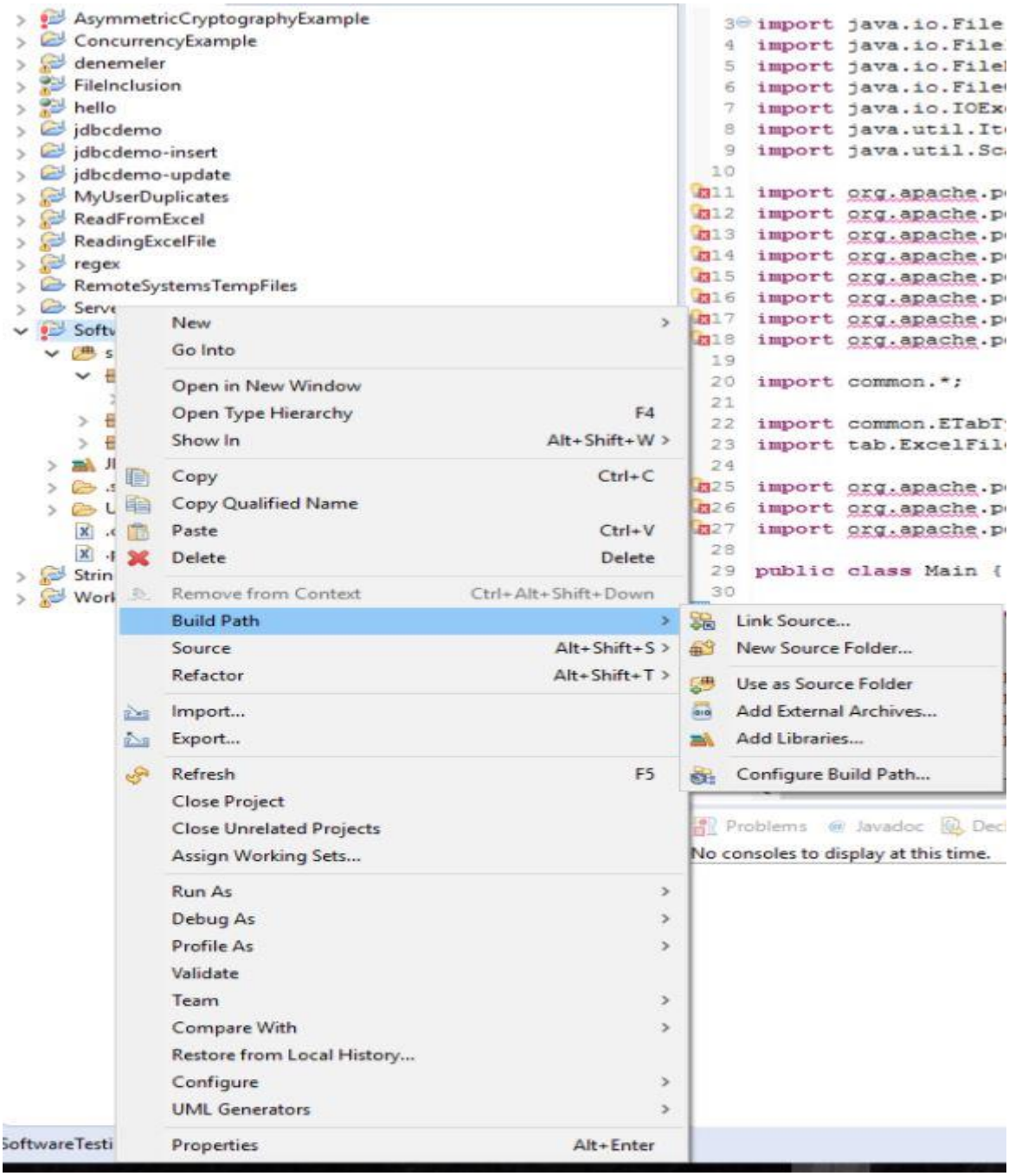
AsymmetricCryptographyExample
ConcurrencyExample
denemeler
FileInclusion
hello
jdbcdemo
jdbcdemo-insert
jdbcdemo-update
MyUserDuplicates
ReadFromExcel
ReadingExcelFile
regex
RemoteSystemsTempFiles
New
Go Into
Open in New Window
Open Type Hierarchy F4
Show In Alt+Shift+W
Copy Ctrl+C
Copy Qualified Name
Paste Ctrl+V
Delete Delete
Remove from Context Ctrl+Alt+Shift+Down
Build Path
Source Alt+Shift+S
Refactor Alt+Shift+T
Import...
Export...
Refresh F5
Close Project
Close Unrelated Projects
Assign Working Sets...
Run As
Debug As
Profile As
Validate
Team
Compare With
Restore from Local History...
Configure
UML Generators
Properties Alt+Enter
Link Source...
New Source Folder...
Use as Source Folder
Add External Archives...
Add Libraries...
Configure Build Path...
import java.io.File
import java.util.Sc
import org.apache.p
import common.*;
import tab.ExcelFil
public class Main {
Problems
Javadoc
No consoles to display at this time.

Figure-12

- After selecting Configure Build Path, below figure will be visible.

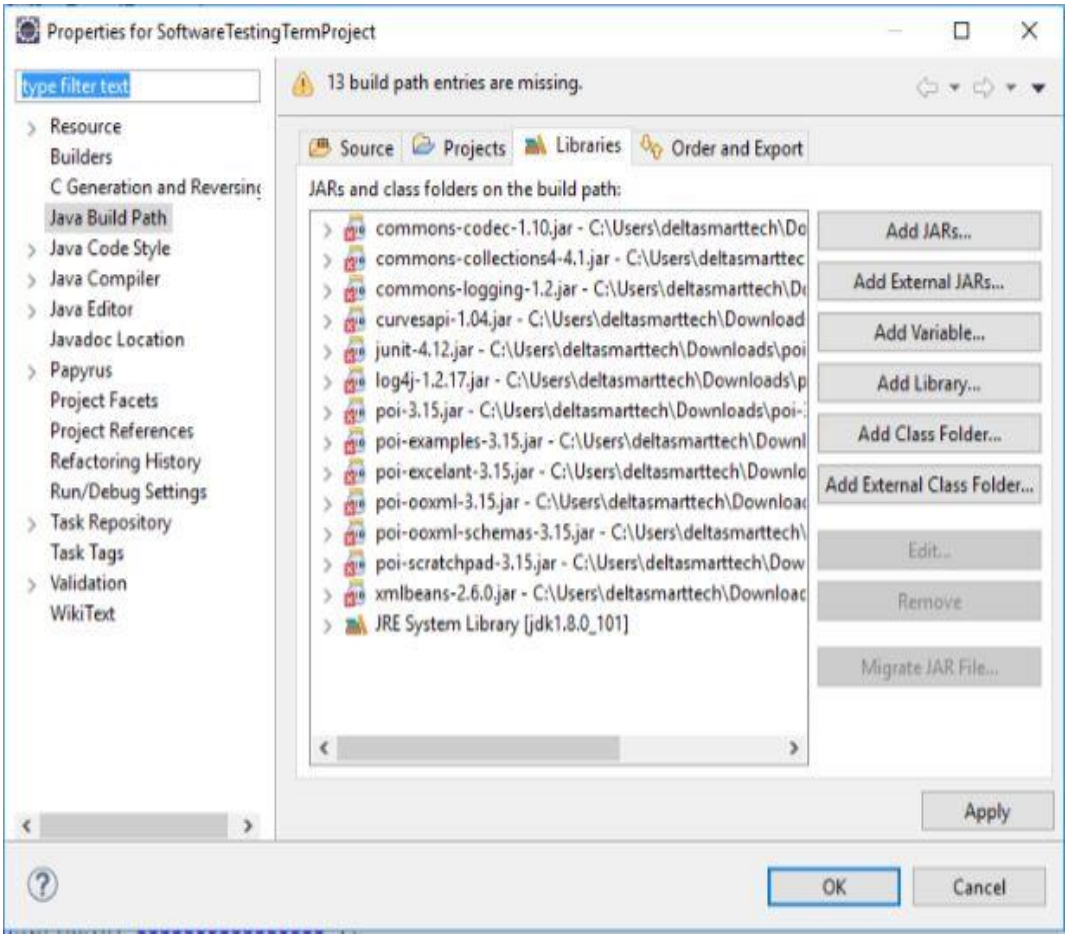

Figure-13

- In that figure, click **Add External JARs** button, go to **jar files** folder which is given in project folder and select firstly and then click **Apply** and then **OK.**
  jar files\poi-3.15\poi-3.15.jar
  jar files\poi-3.15\poi-examples-3.15.jar
  jar files\poi-3.15\poi-excelant-3.15.jar
  jar files\poi-3.15\poi-ooxml-3.15.jar
  jar files\poi-3.15\poi-ooxml-schemas-3.15.jar
  jar files\poi-3.15\poi-scratchpad-3.15.jar

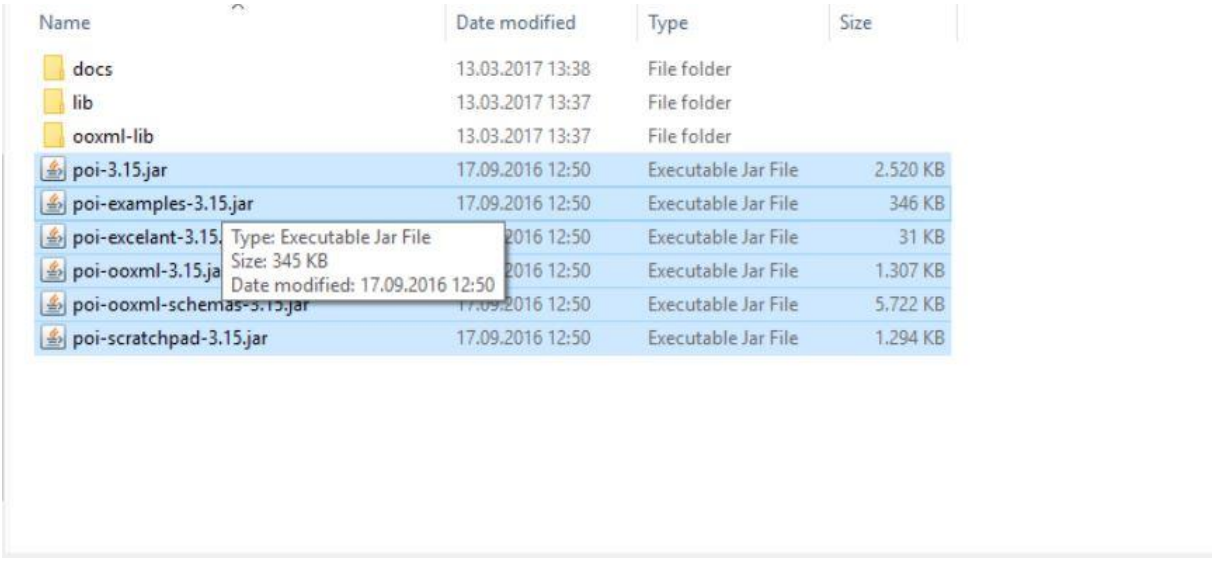

Figure-14

- After that, repeat the adding external jar process for selecting jar files under **jar files\poi-3.15\ooxml-lib**
  curvesapi-1.04.jar
  xmlbeans-2.6.0.jar
- After that, repeat the adding external jar process for selecting jar files under **jar files\poi-3.15\lib**
  commons-codec-1.10.jar
  commons-collections4-4.1.jar
  commons-logging-1.2.jar
  junit-4.12.jar
  log4j-1.2.17.jar

By adding these jar files shown in above, all errors in Eclipse will disappear.

4.Excel File Path Arrangement

- Please open the prepared input excel file with any Microsoft Excel Document
- Come into the directory of the excel file.

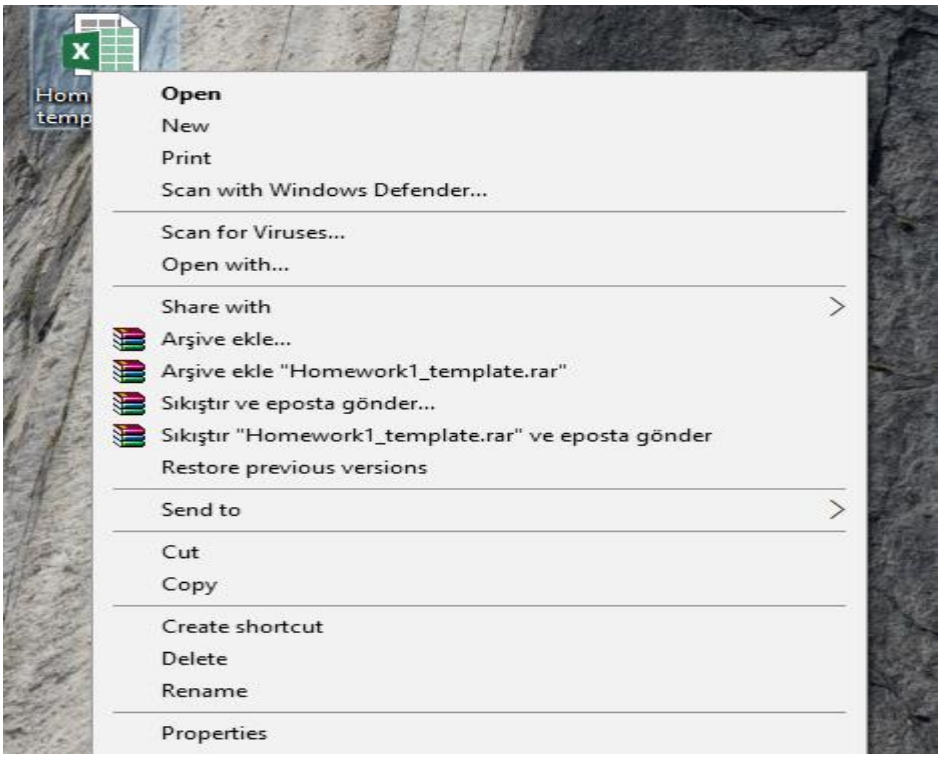

Figure-14

- Go to excel file and right click to the file and then select **Properties** ->

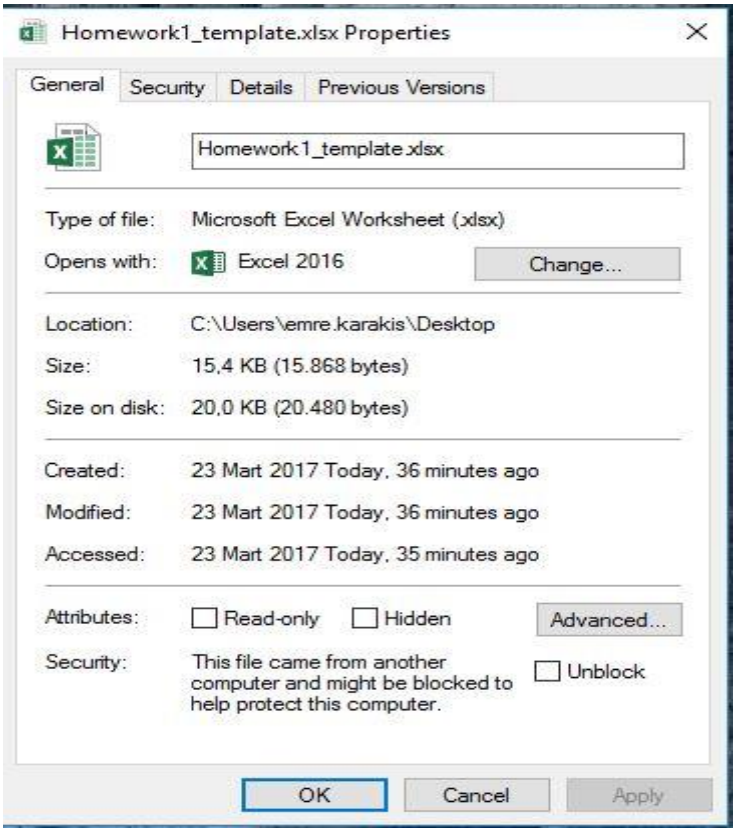

Figure-15

- After that copy the file path for execution such as "C:\Users\emre.karakis\Desktop\Homework1_template.xlsx"

In that step, everything is available to execute source code from Eclipse IDE.Example execution would seem something like this.

```
 While preparing Decision Table be sure that Conditions
 and Actions lines have reference from Condition and Action tabs
 and just use T(CAPITAL) for True, F(CAPITAL) for False and X for active Action
example : =Conditions!B2 etc.
################
Enter Excel File Path and press enter
example : C:\Users\TonyParker\Desktop\Homework1_template.xlsx
################
C:\Users\emre.karakis\Desktop\Homework1_template.xlsx
Please check Abstract Test Cases tab on your excel file
```

If you see this result, you can check the excel file inside the Output folder.

CONCLUSION

As a consequence, in this documentation we tried to explain the basic steps of executions by giving input file to the system and then getting output file including abstract test cases which is automatically filled by the program to successfully implenment abstract test case model.