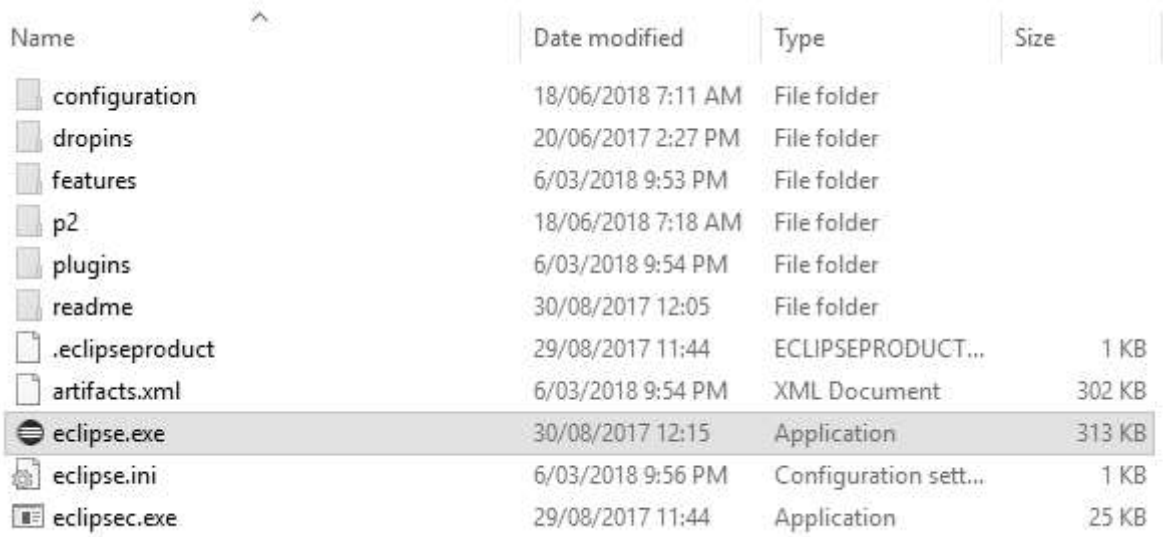
Open Eclipse IDE

We will create a new Java based project in Eclipse. Please make sure that you have installed Eclipse IDE. If not, you check out this guide on how to download and setup Eclip IDE. Follow the steps given below to open Eclipse IDE –

1. Open the path where you have the unzipped Eclipse folder. Double click on **eclipse.ex** open it

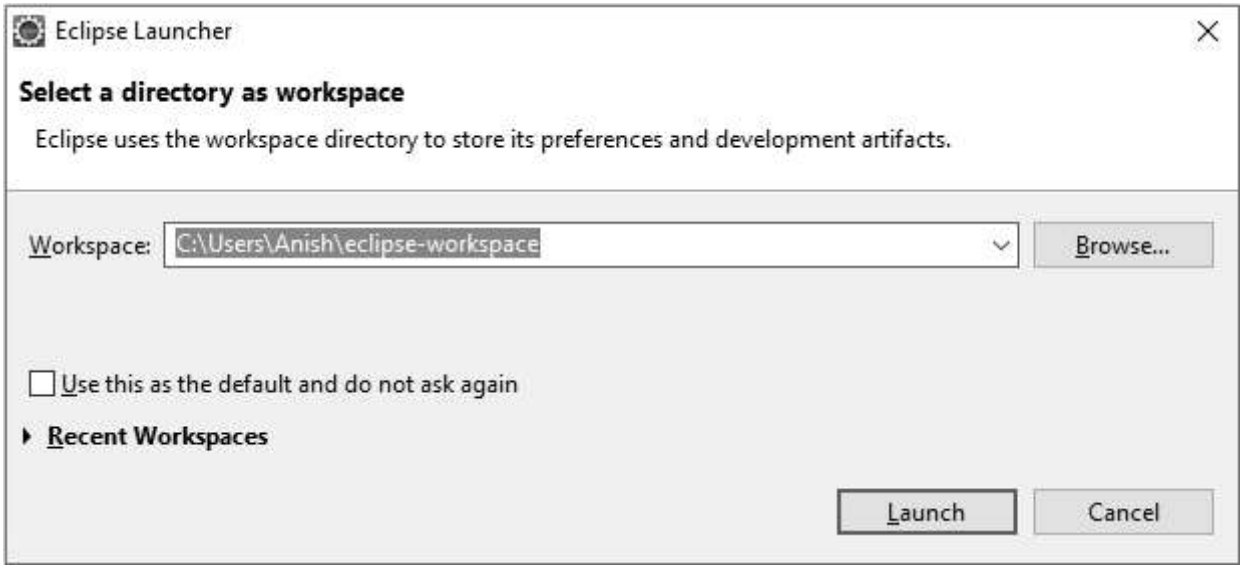


Name	Date modified	Type	Size
configuration	18/06/2018 7:11 AM	File folder	
dropins	20/06/2017 2:27 PM	File folder	
features	6/03/2018 9:53 PM	File folder	
p2	18/06/2018 7:18 AM	File folder	
plugins	6/03/2018 9:54 PM	File folder	
readme	30/08/2017 12:05	File folder	
.eclipseproduct	29/08/2017 11:44	ECLIPSEPRODUCT...	1 KB
artifacts.xml	6/03/2018 9:54 PM	XML Document	302 KB
eclipse.exe	30/08/2017 12:15	Application	313 KB
eclipse.ini	6/03/2018 9:56 PM	Configuration sett...	1 KB
eclipsec.exe	29/08/2017 11:44	Application	25 KB

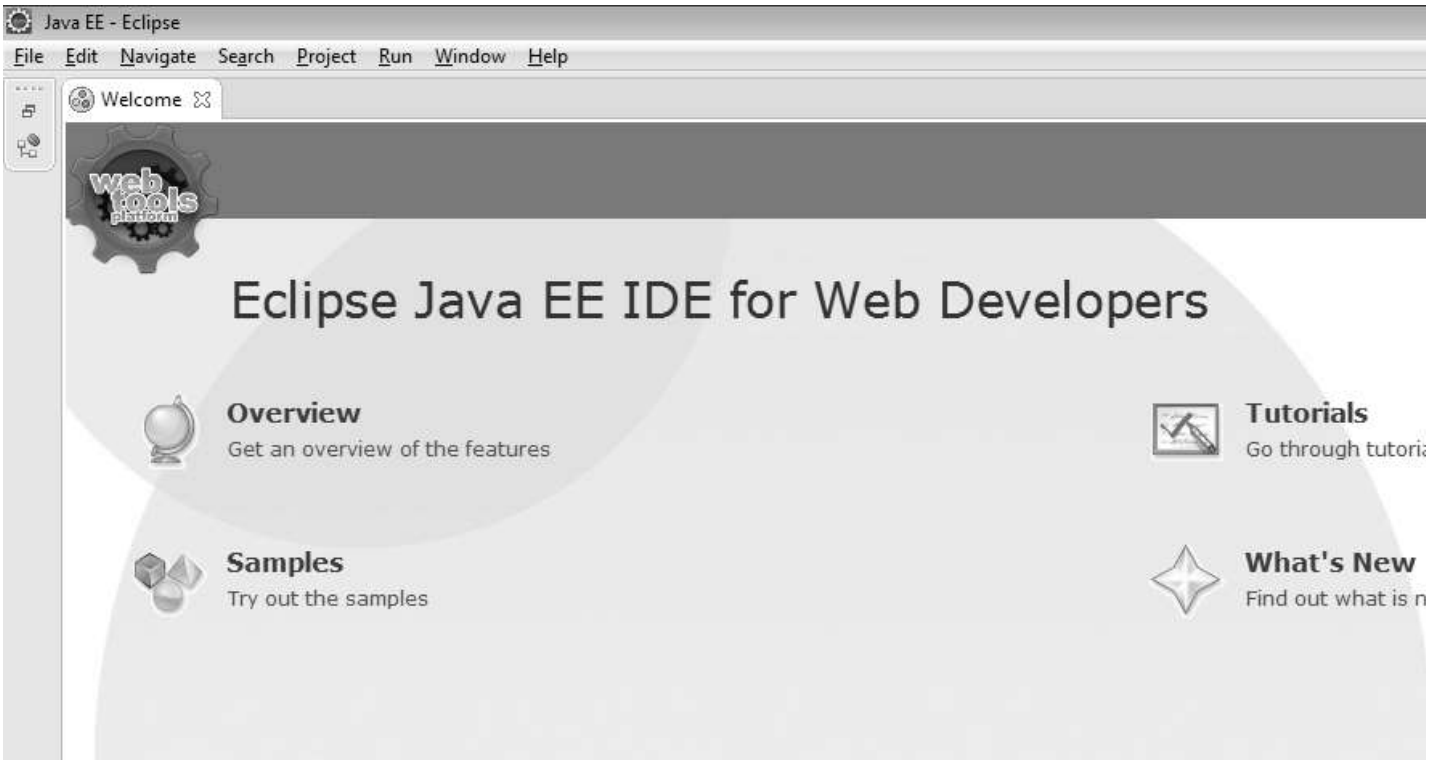
2. Once Eclipse starts opening, you would see the Eclipse logo

3. Next you would see **Eclipse Launcher** popup box. You can either leave the Workspac location as the default value, or you can browse to any folder path you wish. For this artic

we are leaving it as default



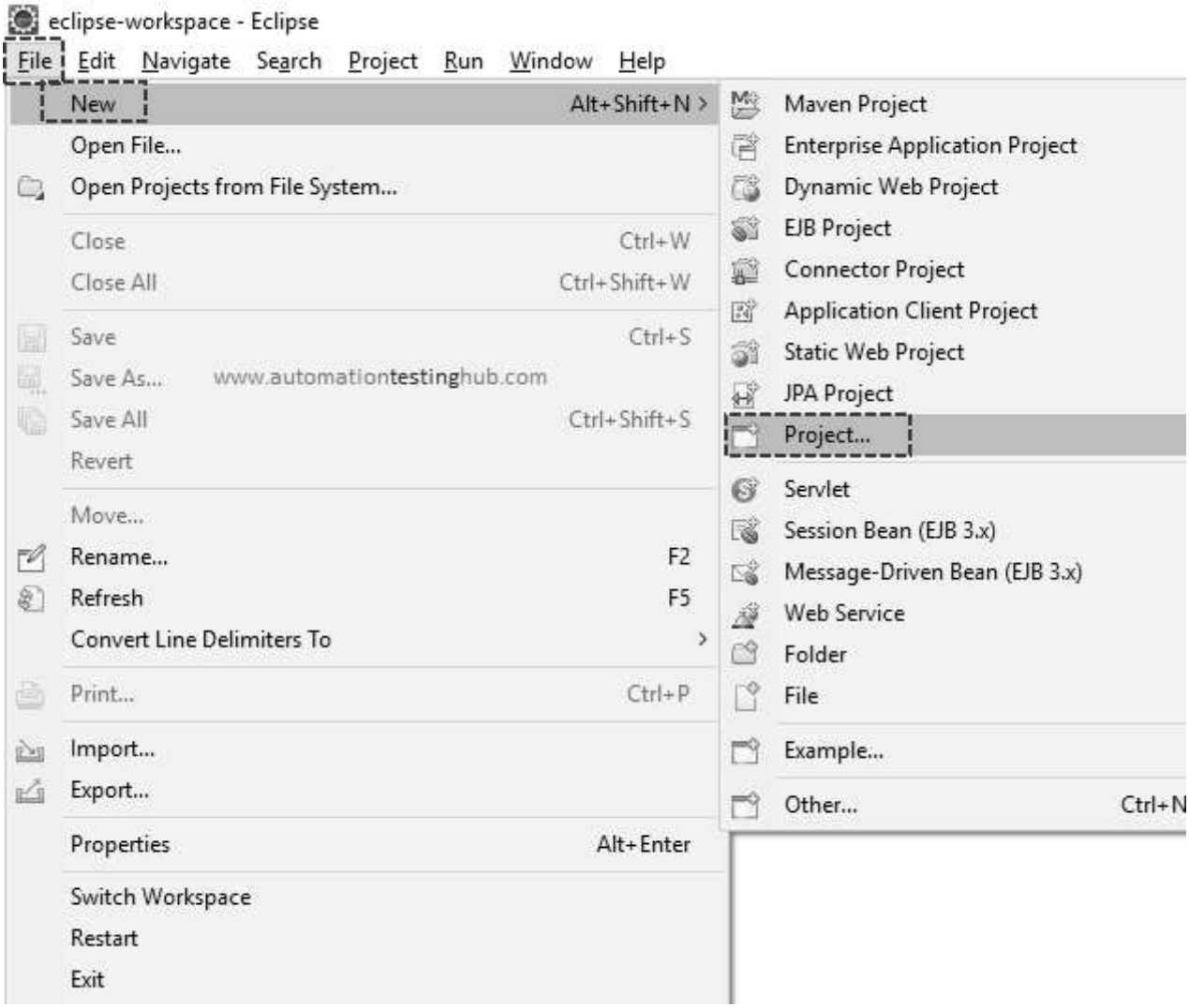
4. Click on Launch button. Eclipse would start loading all the files. Once its done, you will the Eclipse IDE Welcome page like this



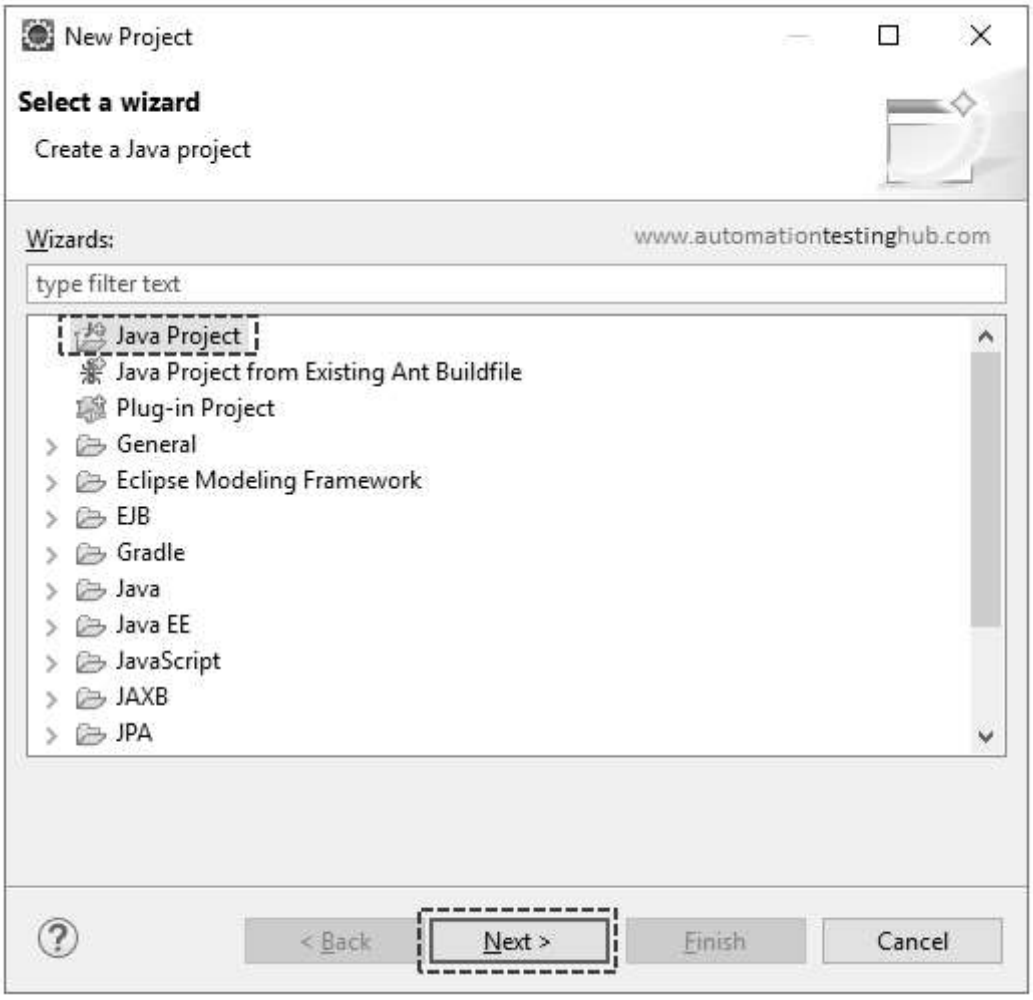
Create new Project in Eclipse

Create a new Java project in Eclipse by following the steps given below –

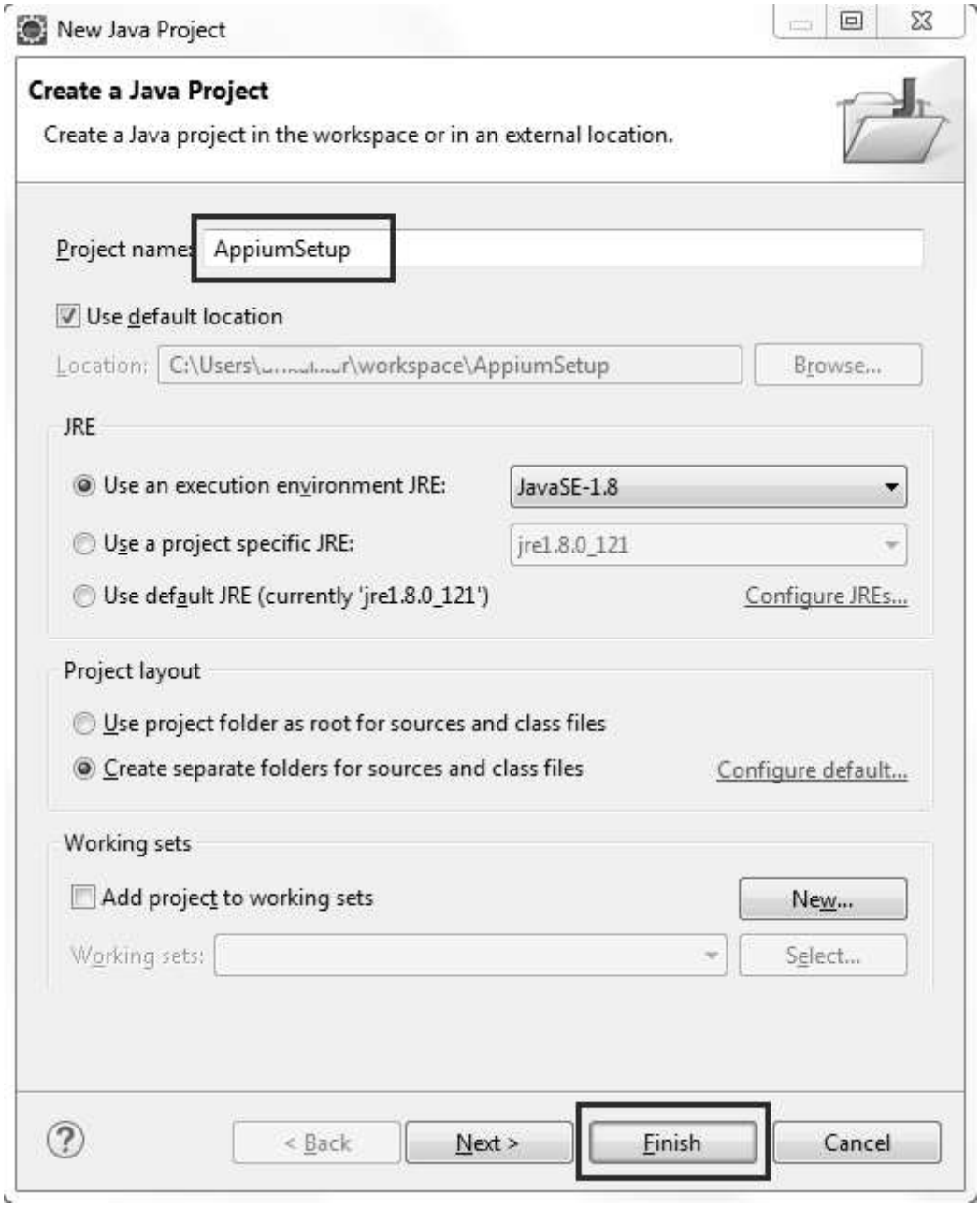
1. Select **File -> New -> Project…** option from Eclipse IDE



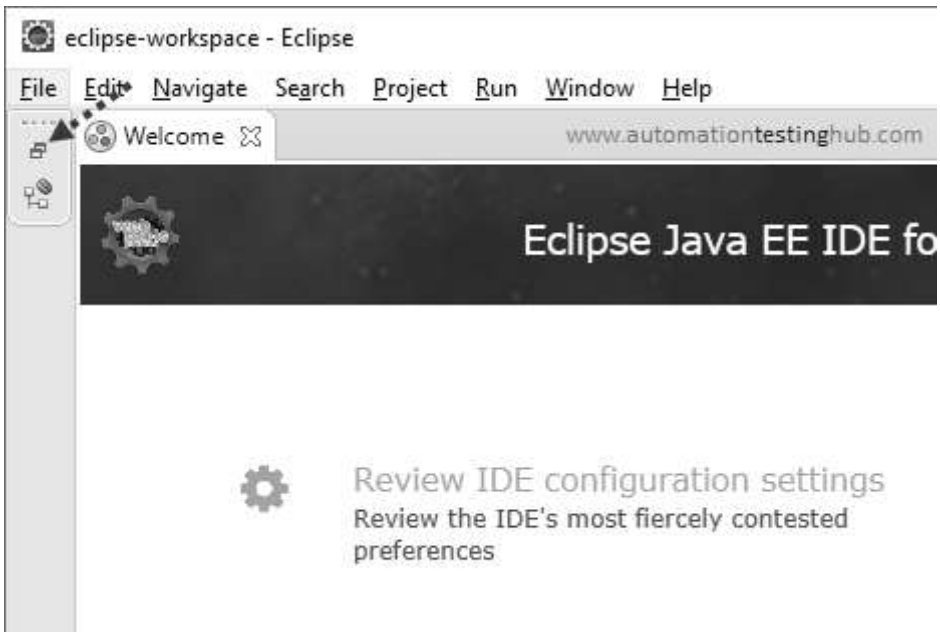
2. In the **New Project** popup box, select **Java Project** and then click on **Next** button



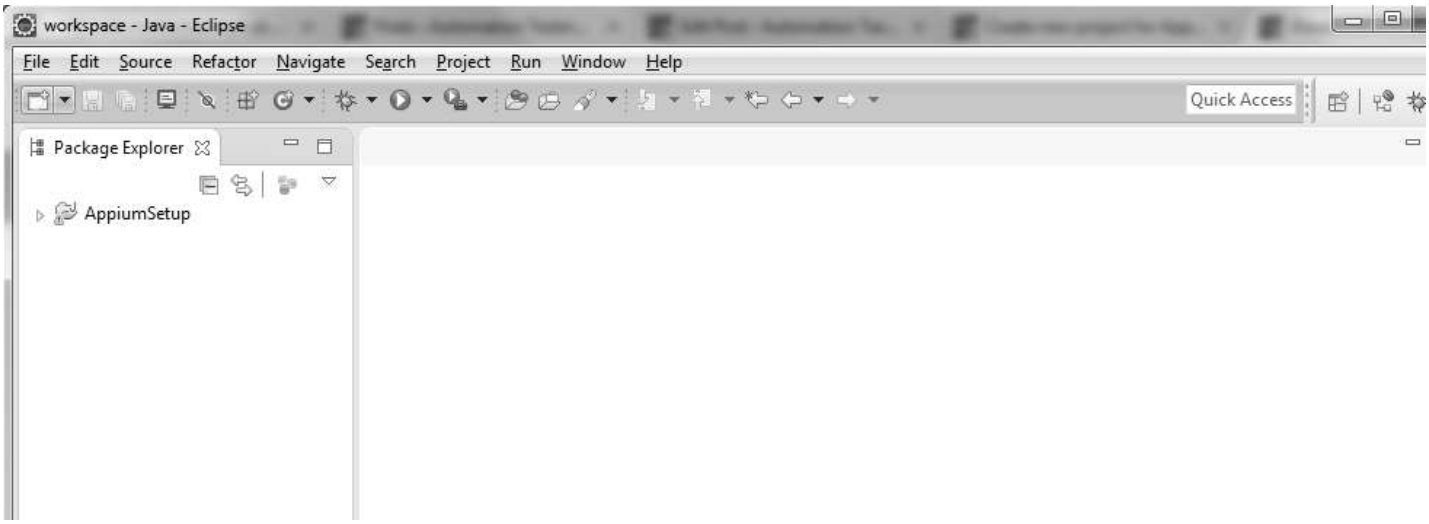
3. In the **New Java Project** popup box, write the project name as **AppiumSetup**. Leave a
the other fields as default and then click on **Finish** button



4. If the panel at the left side is collapsed, then you can restore it as shown below



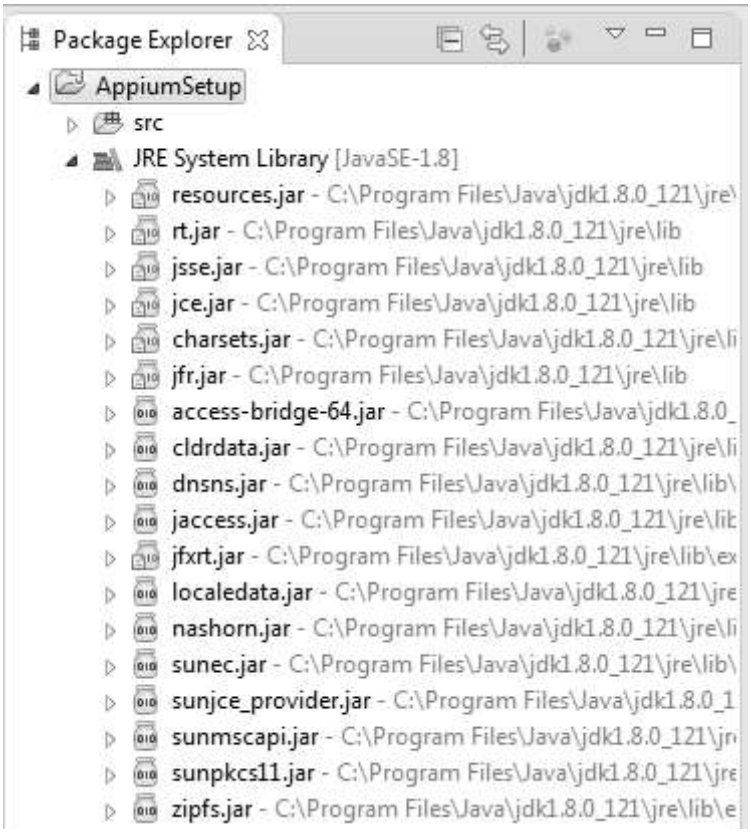
5. Eclipse IDE should now look like something as shown below. **It would display your newly created project in the left side pane.** If there are some additional panes on the ri side (Tasks List, Welcome screen etc), then you can close those so that Eclipse IDE looks uncluttered



The new Appium project is successfully created in Eclipse. Let's now move over to the las section of this article. This section covers another very important functionality – adding Appium Jar files in Eclipse project.

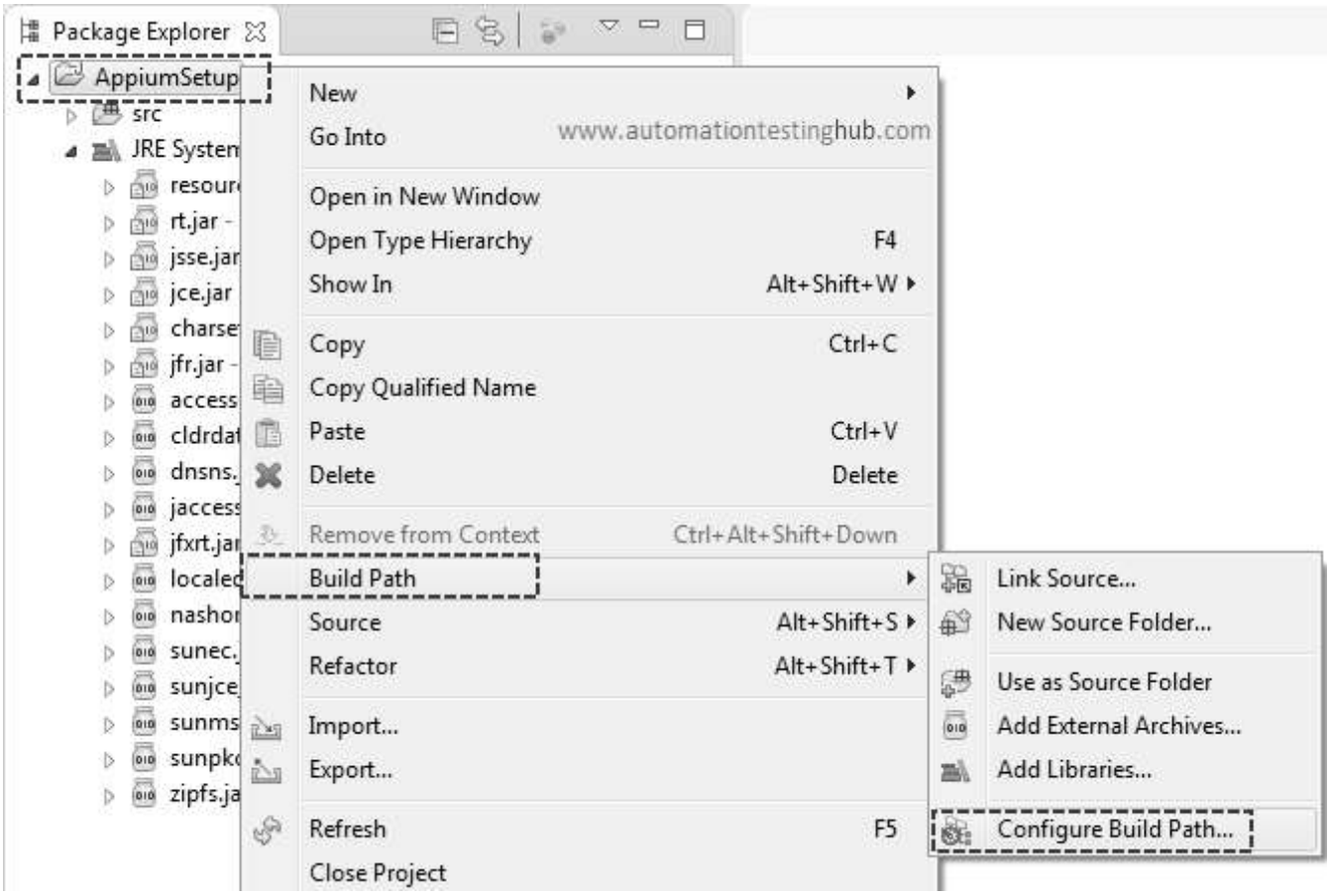
Add Appium JAR files to your Eclipse Project

Expand ‘AppiumSetup’ project. You will see that it has 2 sub-folders or components inside These sub-folders are: **src** and **JRE System Library**. If you expand JRE System Library, you will see that it has some JAR files already added as shown in the below image. This i the minimum set of JAR files that is required to run a basic Java program.

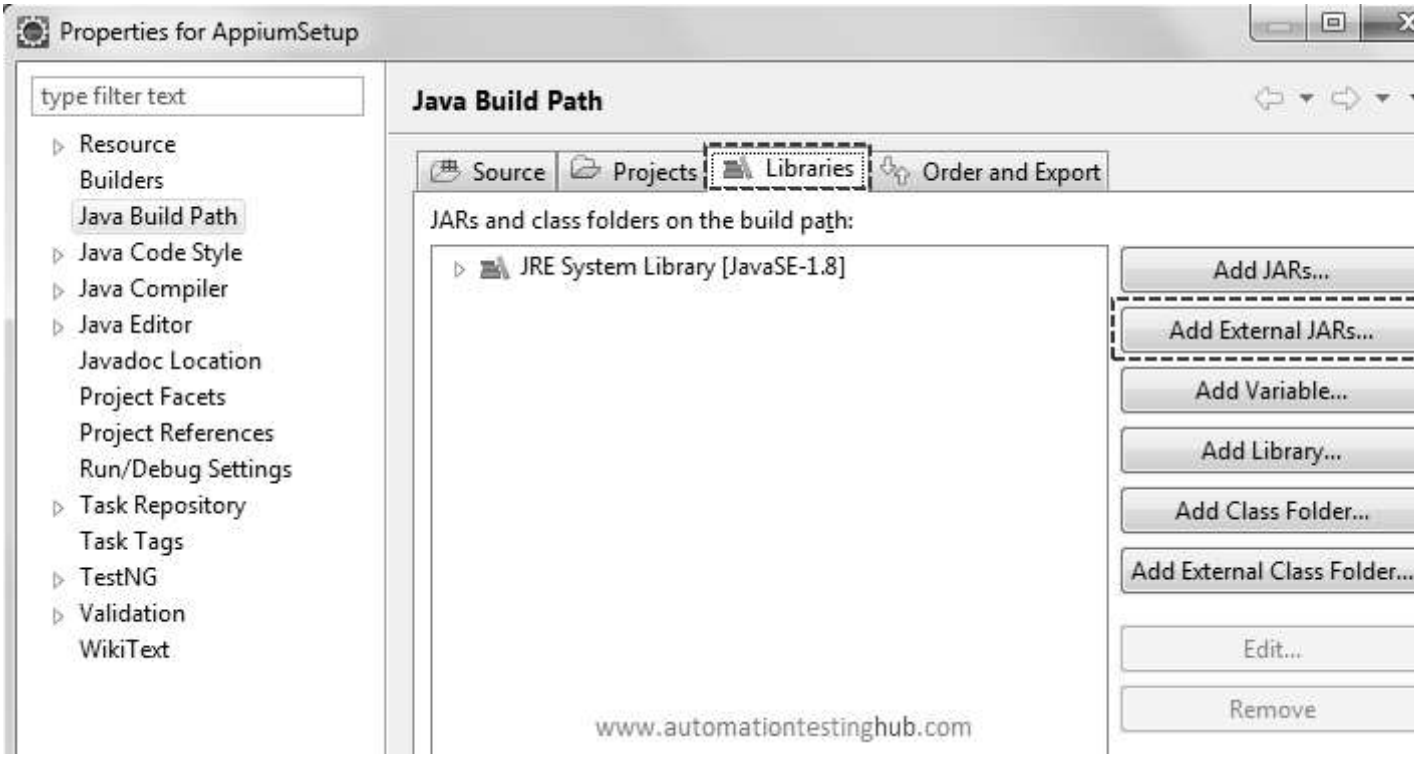


Since you would be creating and running Appium scripts, you would need to add the Appi specific JAR files as well. Follow the steps given below to add these JAR files to your Appium project –

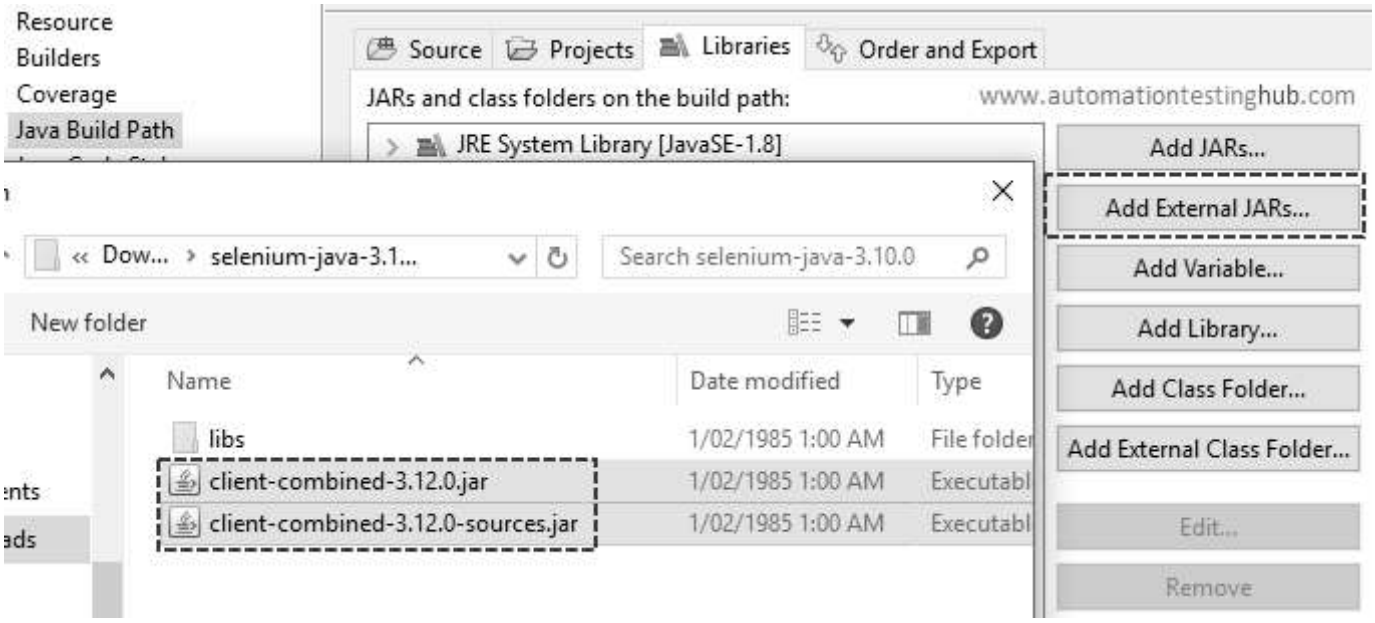
1. Right click on the Project. Then select **Build Path > Configure Build Path…** option



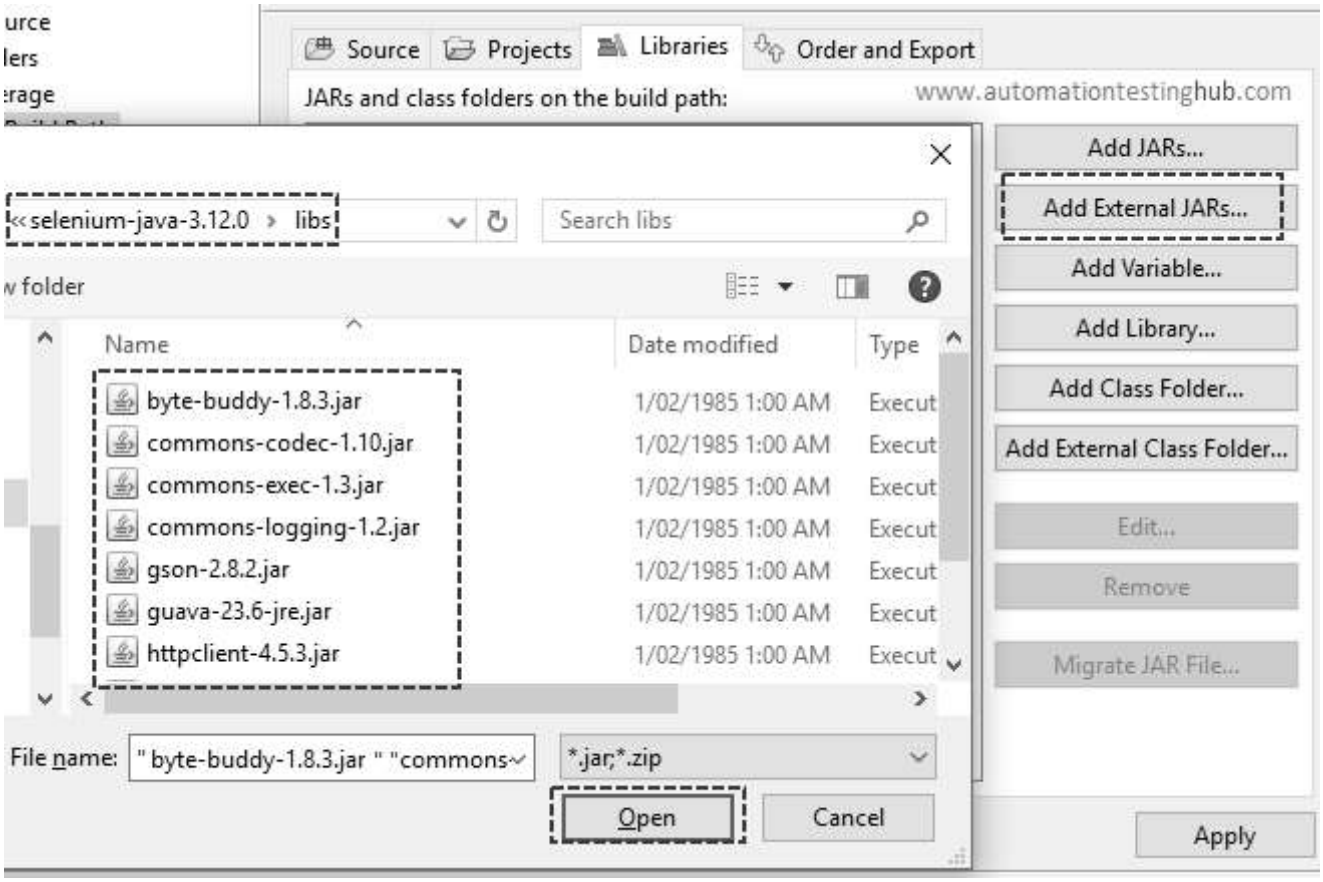
2. Properties window will get opened as shown below. From the **Libraries** tab, click on **Ad External JARS…** button.



3. Now navigate to the folder where you had downloaded Selenium WebDriver JAR files. Select the selenium JAR (named client-combined…) and click on Open button

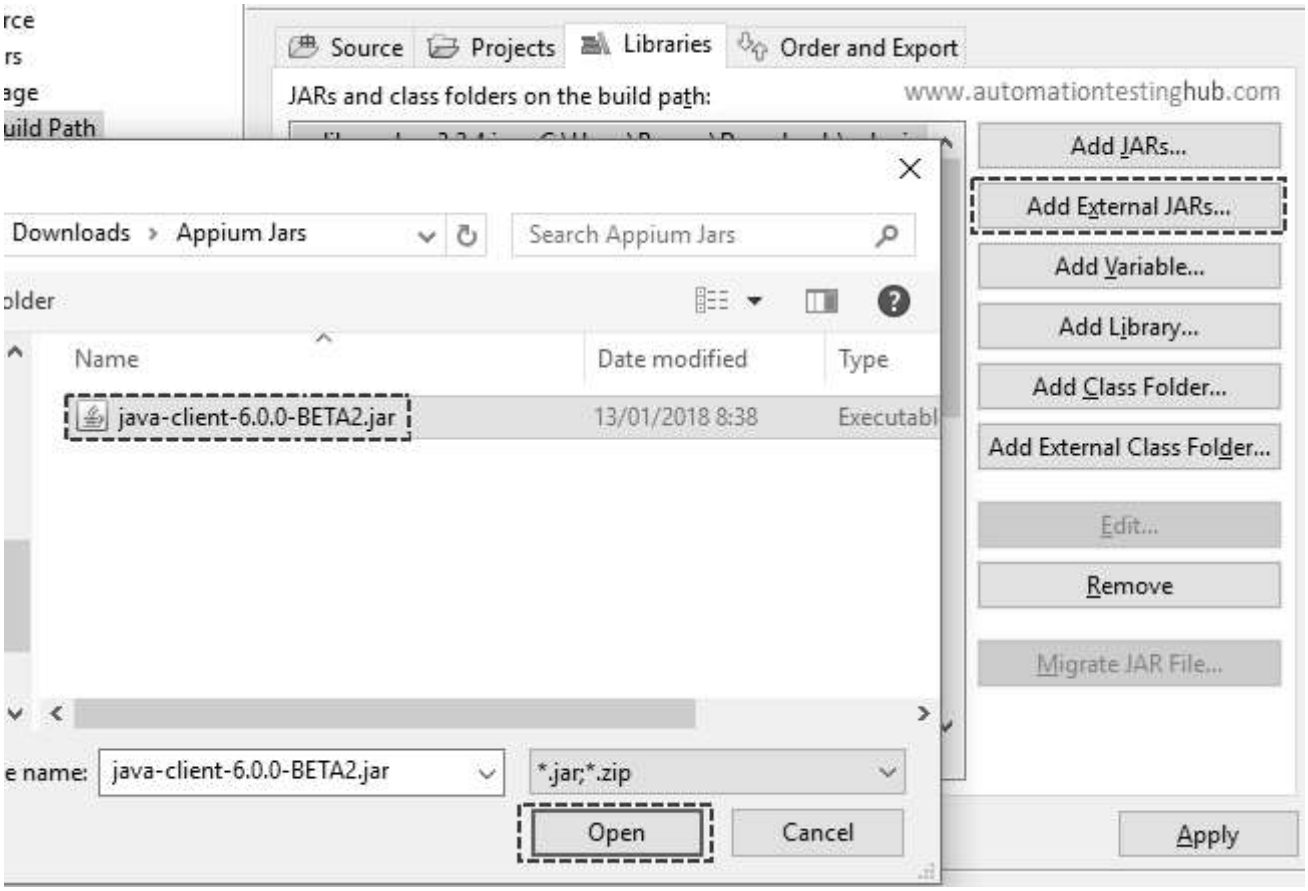


Do the same for all the JARs in the lib folder



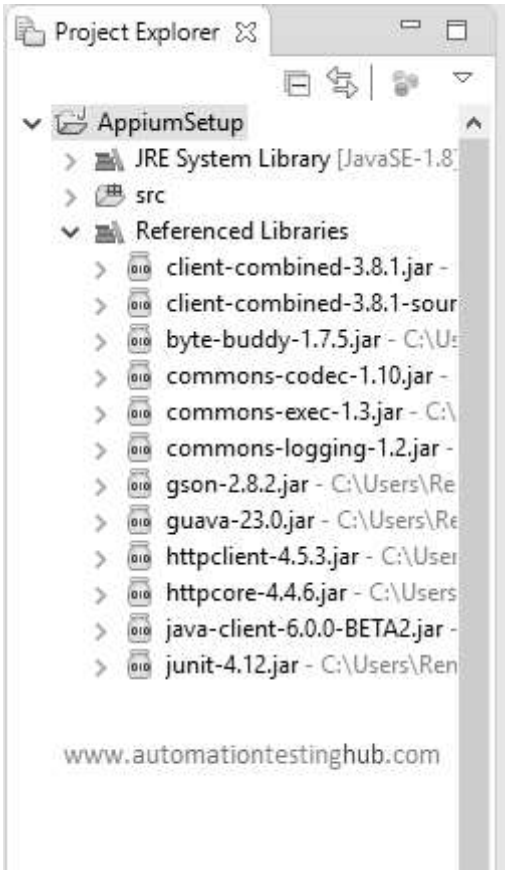
With this, you have now added all the Selenium JARs to the project. Now let us add the Appium Java Client jar file.

4. Click on Add External JARs… button, and navigate to the folder where you have saved Java Client JAR. Select the JAR and click on Open button



5. Follow the same process and add JUnit, hamcrest-core and commons-lang JARs well.

6. Once all the JAR files have been added, click on Apply and Close button to close the Properties window. Notice that a new sub-section called **Referenced Libraries** is created inside the project folder. Expand this **Referenced Libraries** section. You will see that it lis down all the JAR files that you had added in the above steps


Project Explorer
AppiumSetup
JRE System Library [JavaSE-1.8]
src
Referenced Libraries
client-combined-3.8.1.jar -
client-combined-3.8.1-sour
byte-buddy-1.7.5.jar - C:\U
commons-codec-1.10.jar -
commons-exec-1.3.jar - C:\
commons-logging-1.2.jar -
gson-2.8.2.jar - C:\Users\Re
guava-23.0.jar - C:\Users\Re
httpclient-4.5.3.jar - C:\User
httpcore-4.4.6.jar - C:\Users
java-client-6.0.0-BETA2.jar -
junit-4.12.jar - C:\Users\Ren
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