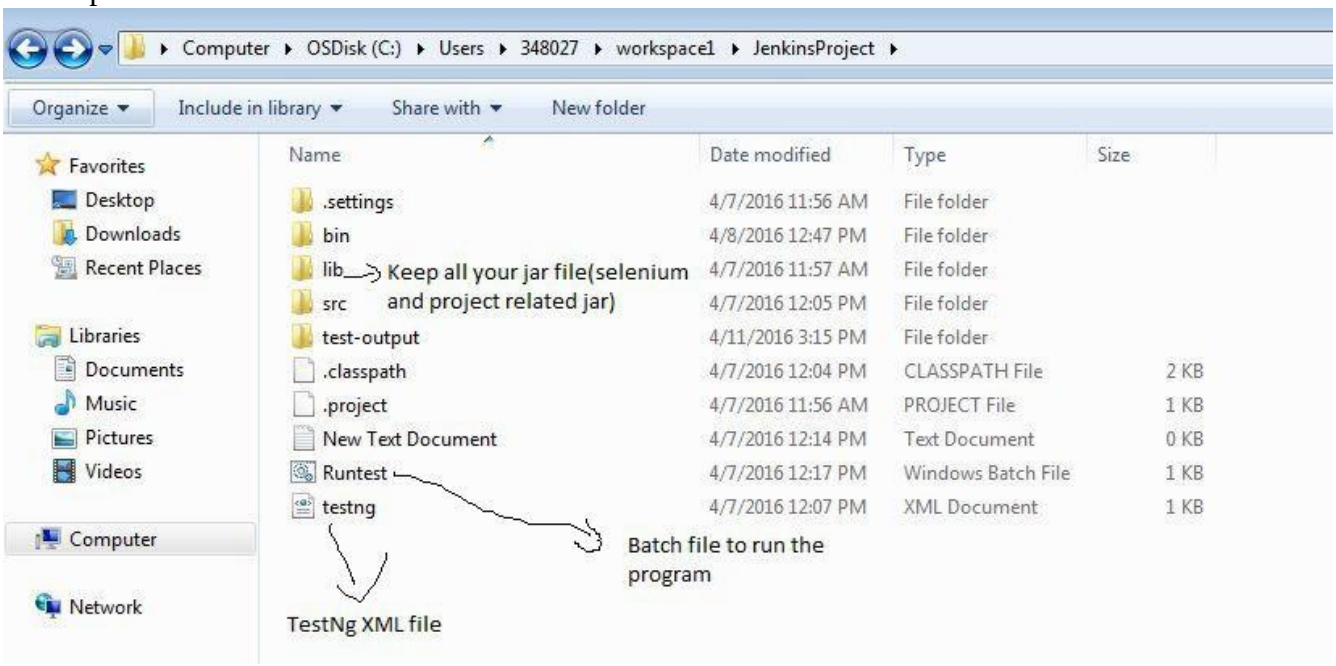
JENKINS FREE STYLE PROJECT-BATCH FILE

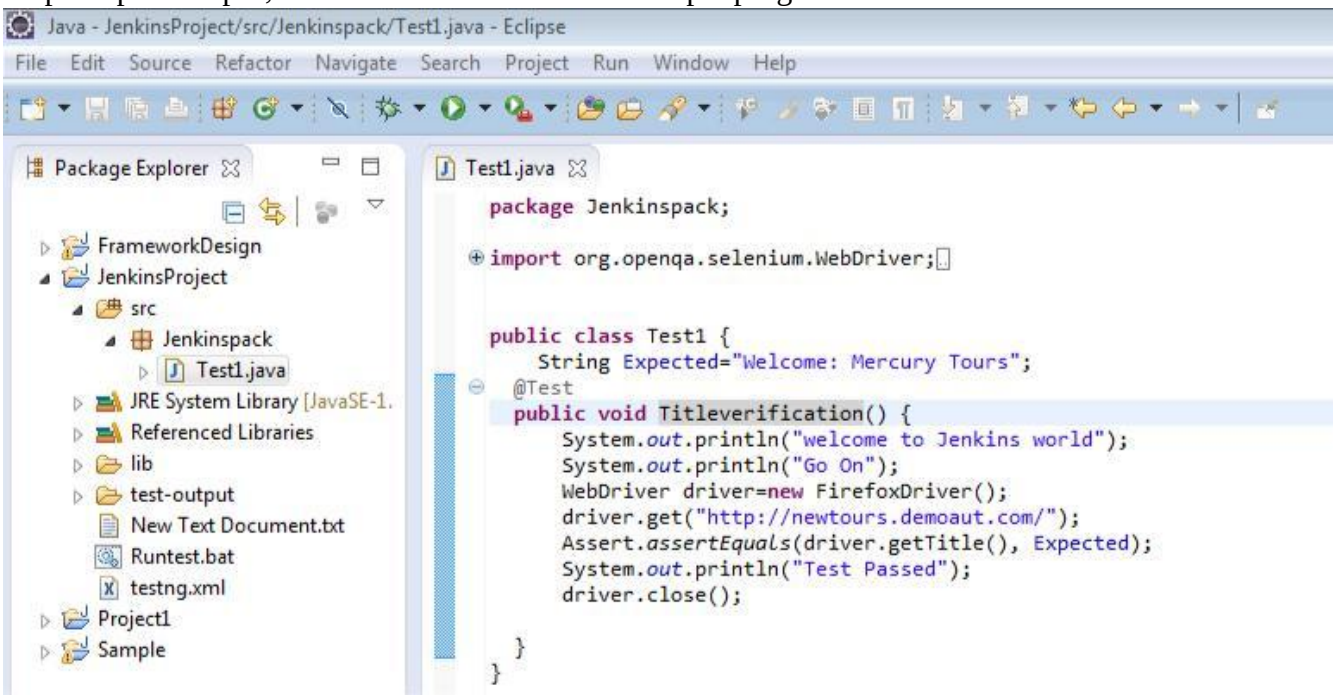
Step1: Download Jenkins war file from the URL: https://jenkins.io/
Step2: Download LTS Release

Step3: *As like Java jar file. Run the Downloaded jenkins.war in the command prompt using the command. Java -jar jenkins.war
*Wait till Jenkins is Up and Running. Don't ever close that Command prompt.
*To check jenkins is working. Use the URL http://localhost:8080 , it will open the jenkins environment. *Now Jenkins platform ready to execute the program.

Step4: Open Eclipse Create a workspace. For best practices keep all the project files inside the Workspace.

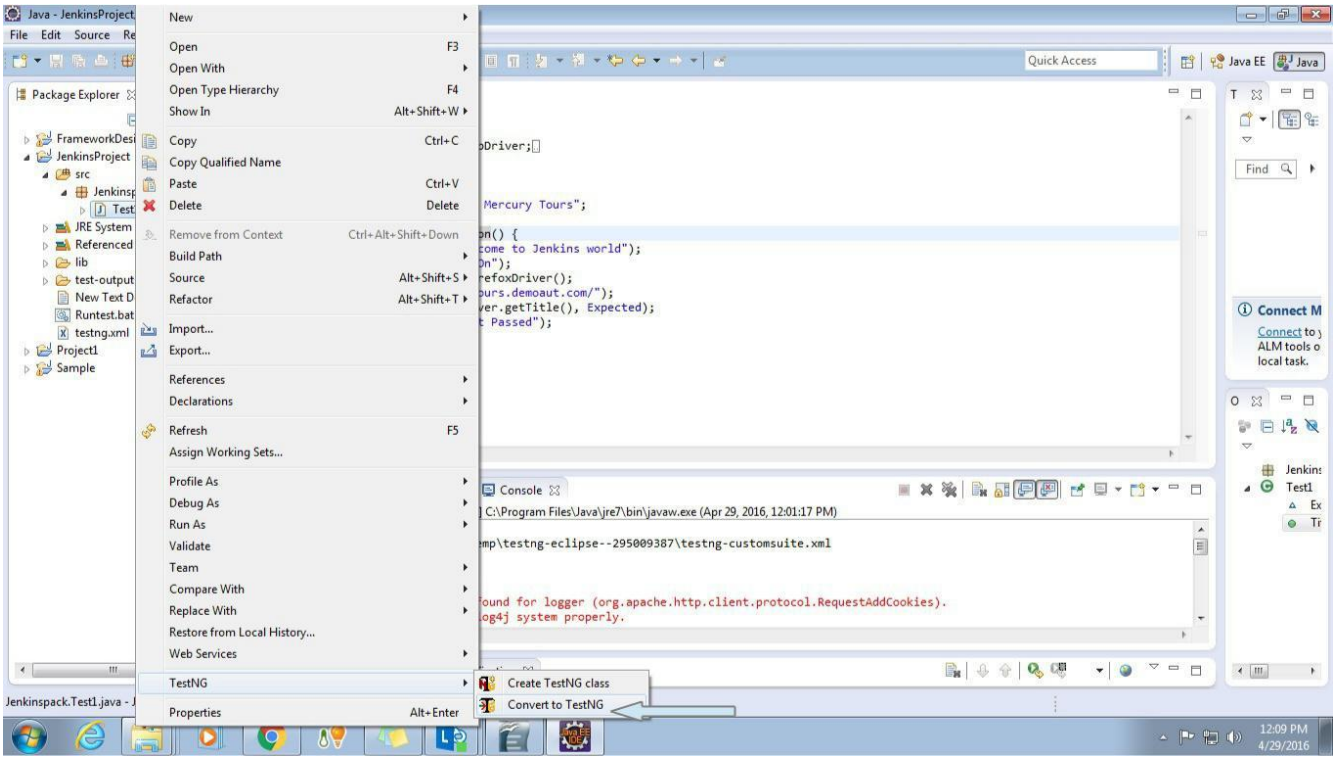


Step5: Open Eclipse, Create a class and write the simple program.



Two methods to run the above program. 1.Eclipse and 2. Command prompt.
To Run this program via Jenkins you need two files(Batch and TestNG.XML).

Step6: To Create xml file just right click the class file and go to TestNG ->Convert testng.



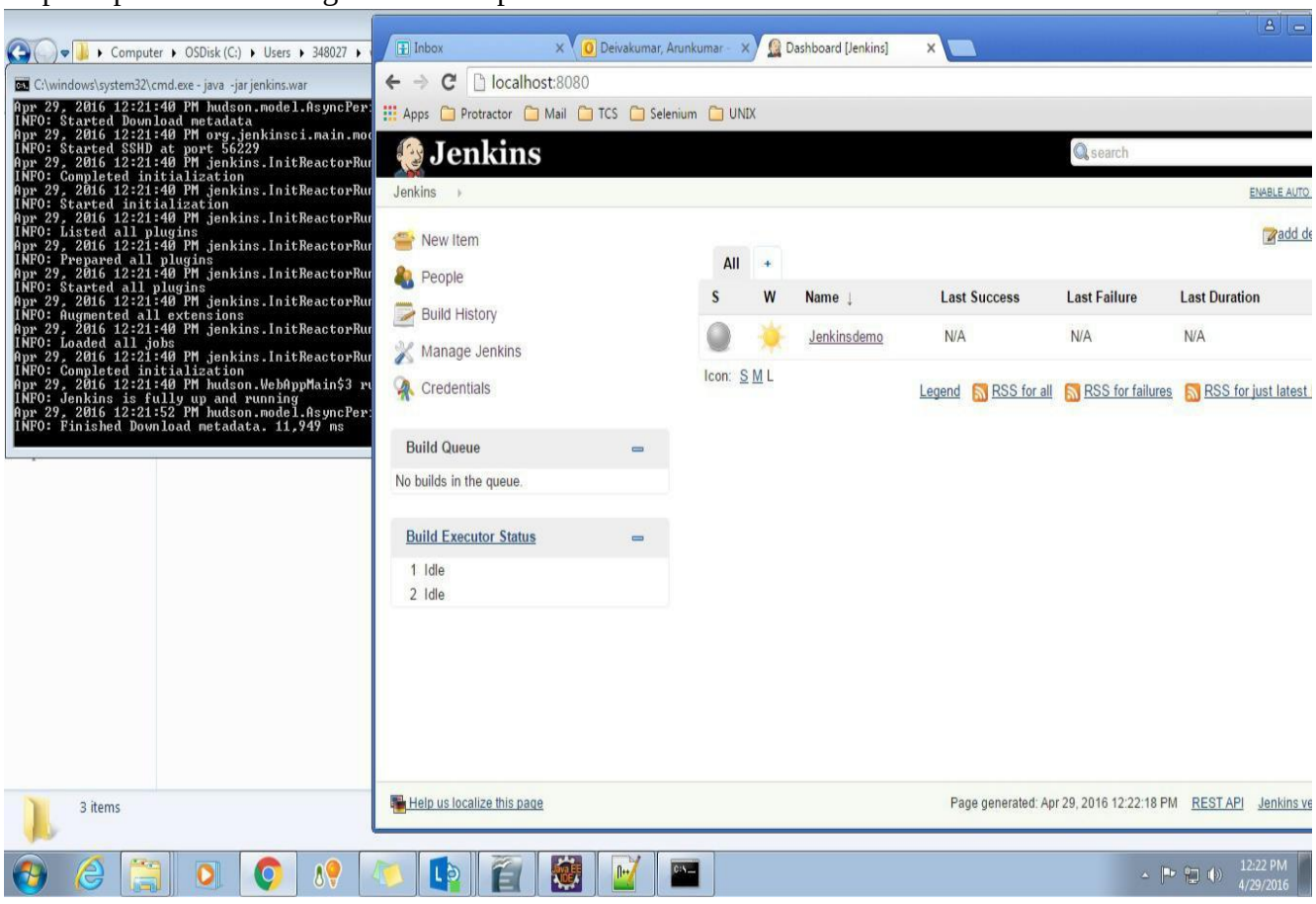
Step7: Save the XML inside your workspace.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-
1.0.dtd"> <suite name="Suite" parallel="none">
  <test name="Test">
    <classes>
      <class name="Jenkinspack.Test1"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite →
```

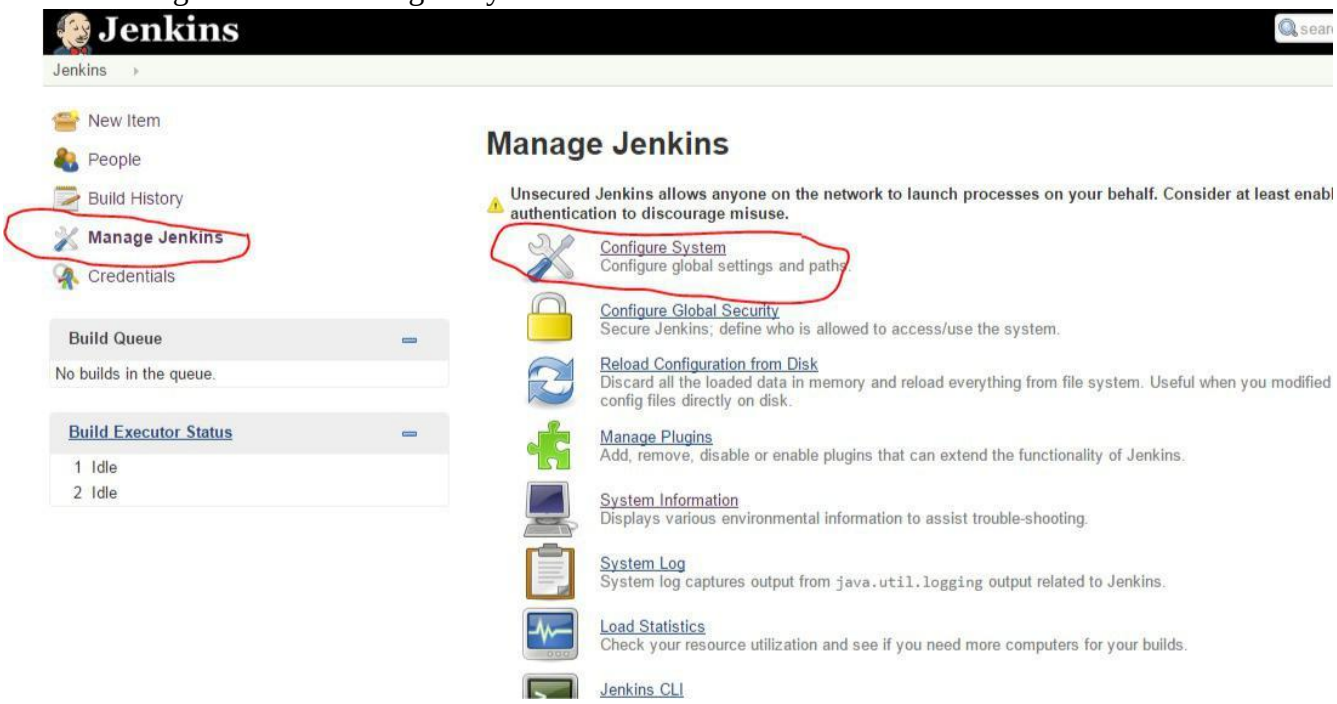
Step8:Now create the batch file inside your workspace.
java -cp bin;lib/* org.testng.TestNG testng.xml =>Batch file content.
Note: while save, use double quotes("Runtest.bat") else it will store as text file.

Note:
cp: compiler.
bin: path of your compiled class.
lib: Contains the jar files,
testng.xml: Your xml file.

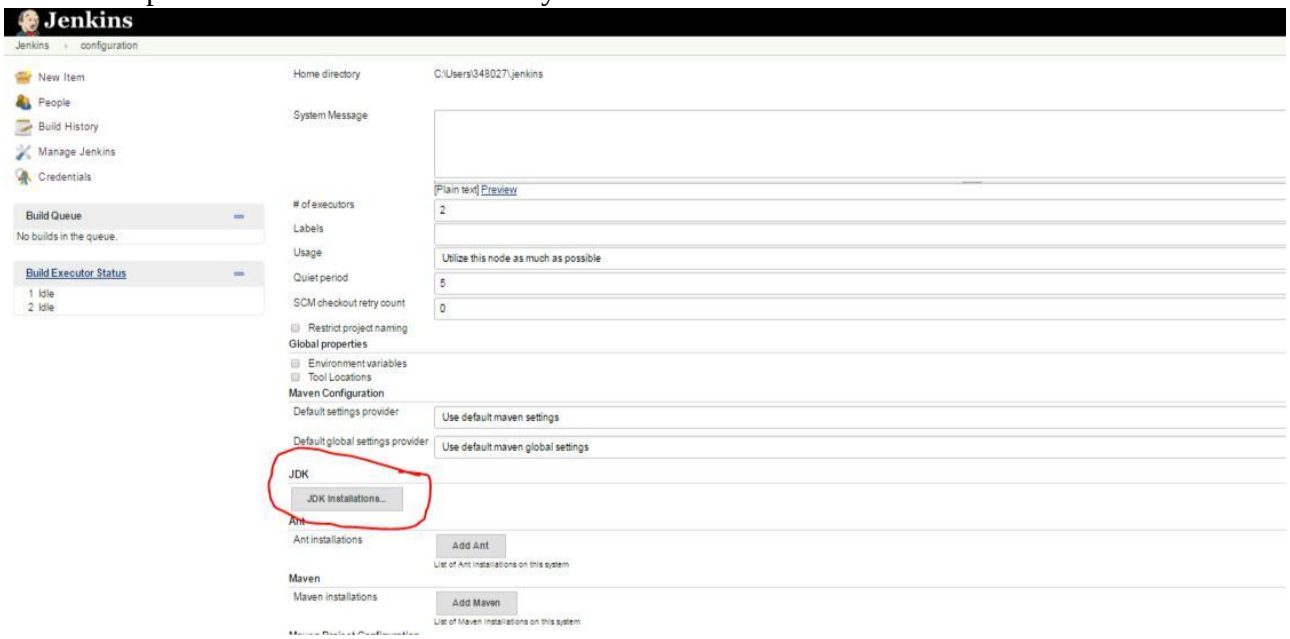
Step9: Open Jenkins using the URL http://localhost:8080



*Go to Manage Jenkins->Configure system.



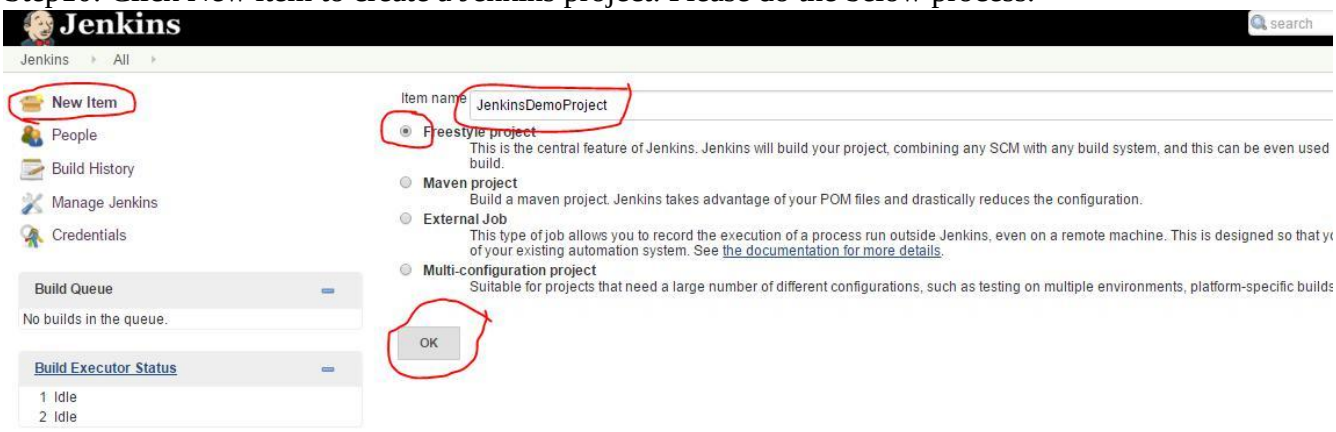
Give the path where JDK is installed in your local machine.



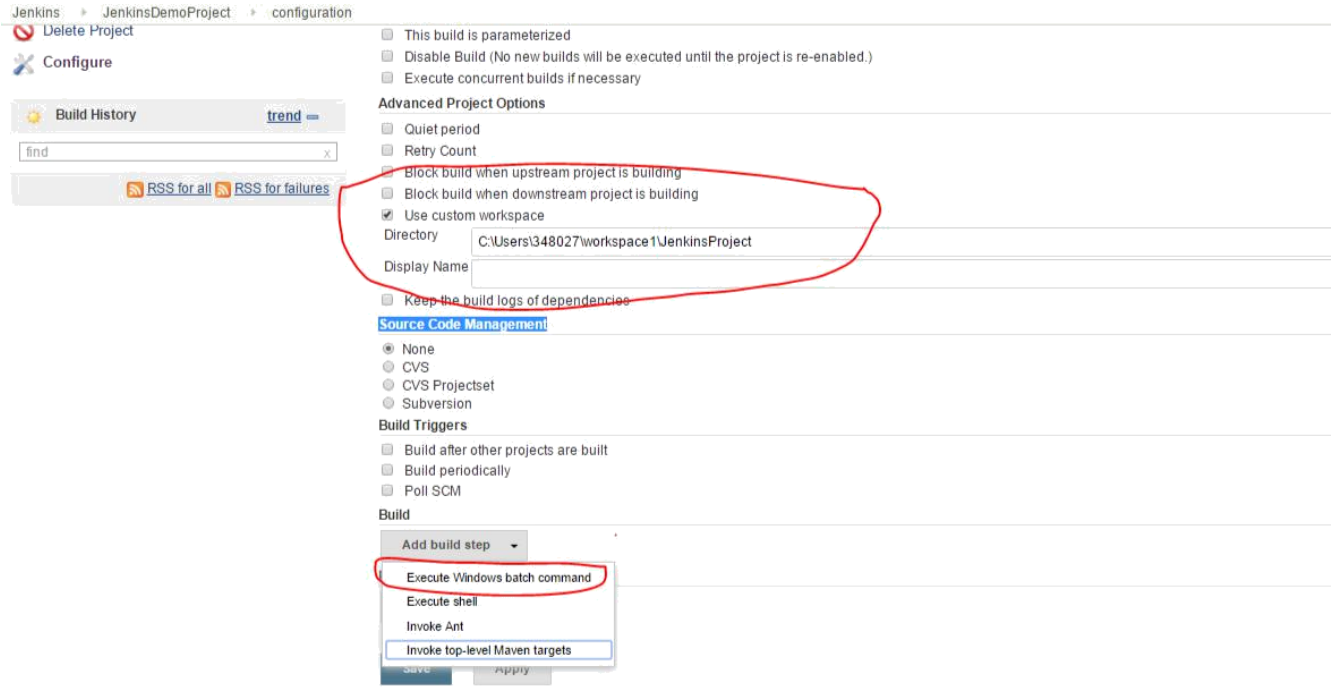
Click JDK installation and assign the path.

Don't check install automatically flag(because it will create the compatibility issue between java and Selenium). If you upgrade your JDK, manually replace the jdk path here.
Then save it and back to home page.

Step10: Click New item to create a Jenkins project. Please do the below process.

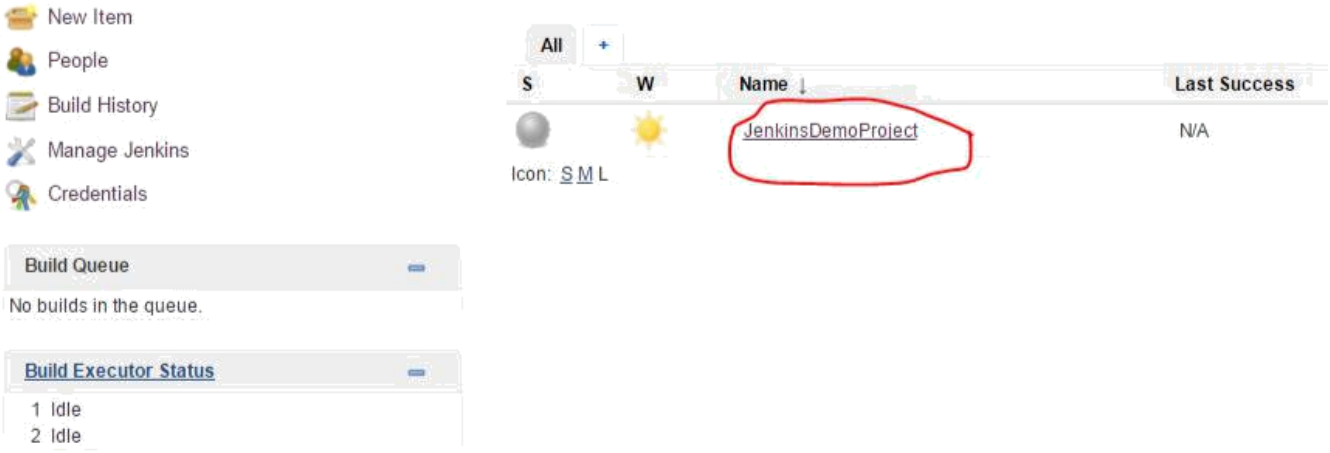


Step11:Link the Project Workspace to jenkins. Give your workspace path and select Execute windows batch.



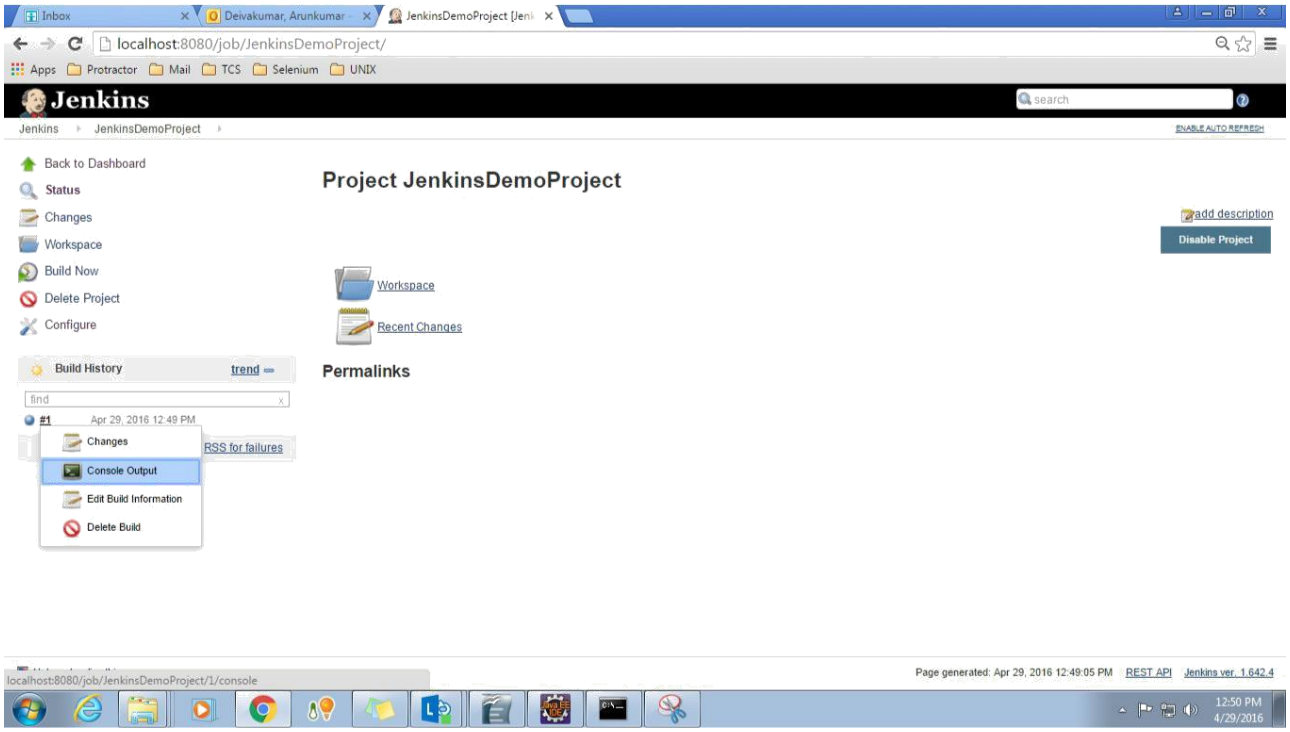
*Give the batch file name and save it.

Step12: Now your project is created.



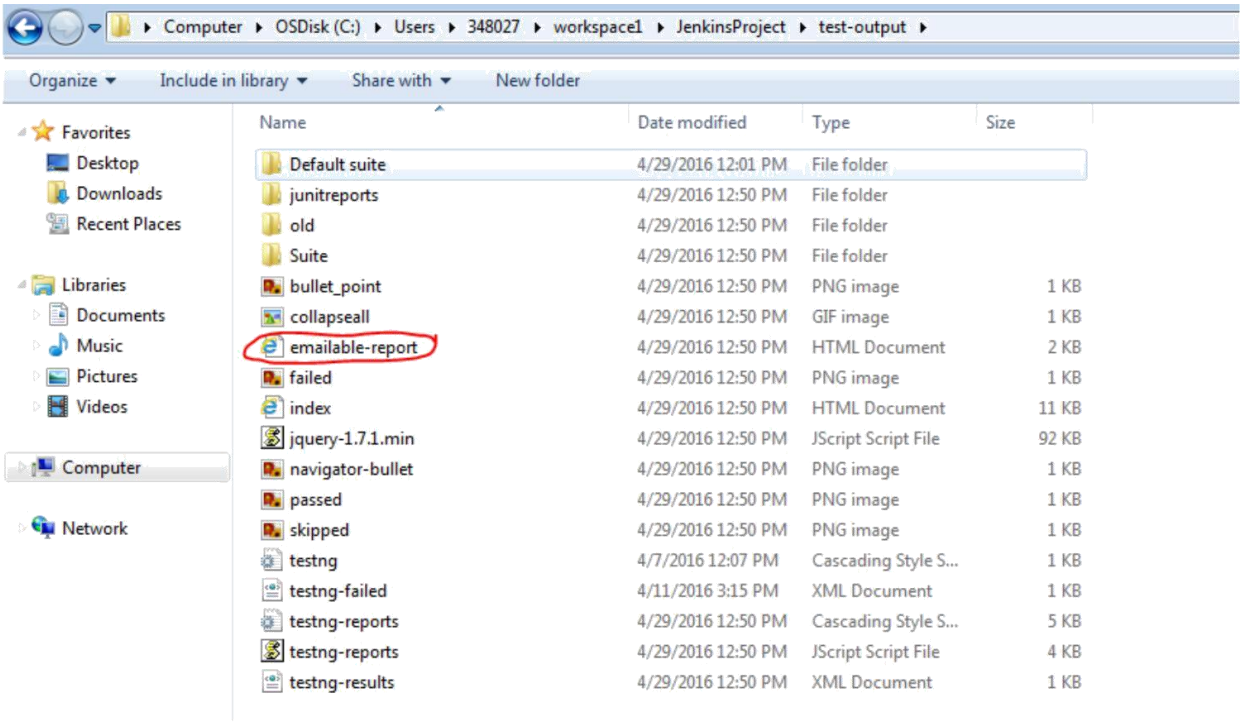
Click the JenkinsDemoProject and press Build Now to start integration test.

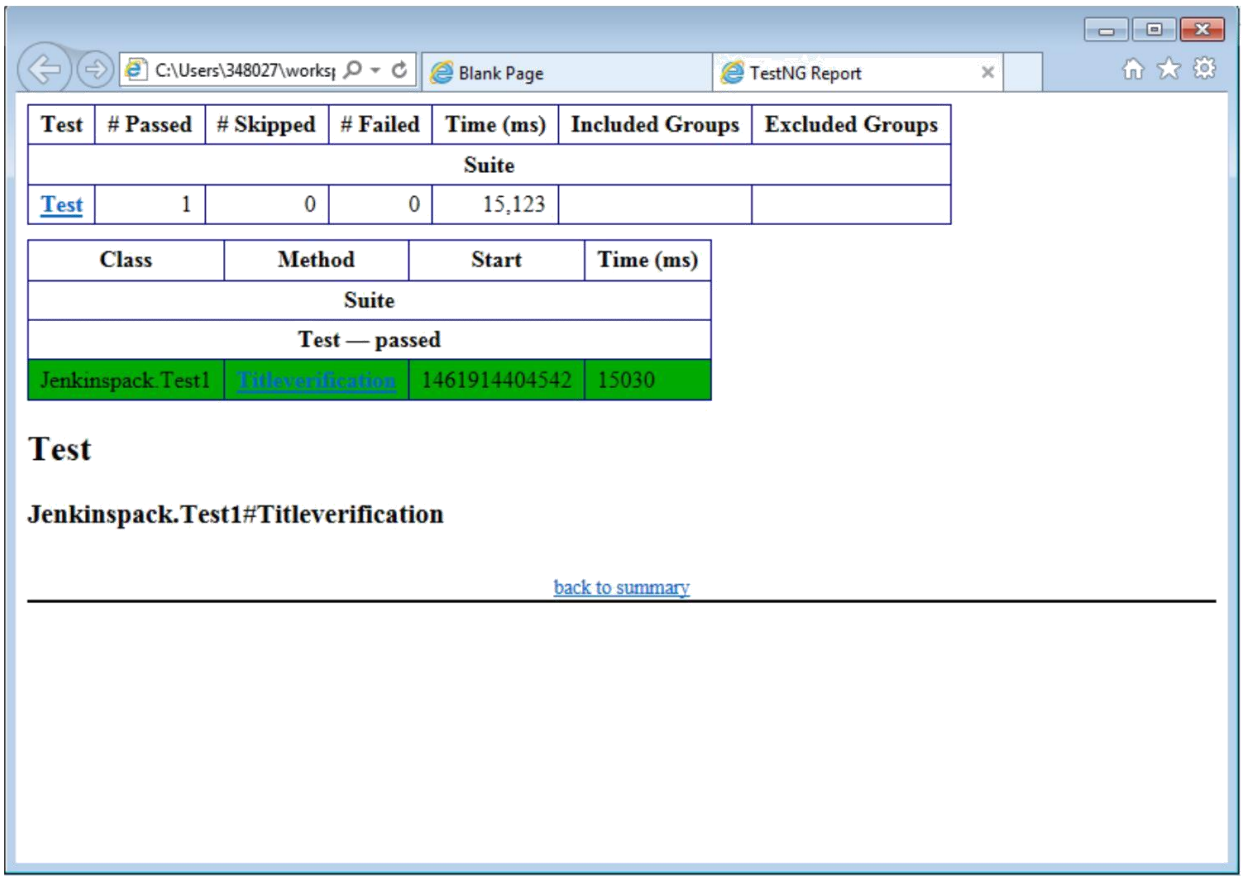
* Congratulation your first integration test is ran successfully.



*To see the output :go to Console output

For Testng report go to the path: Workspace\test-output





Thank You

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