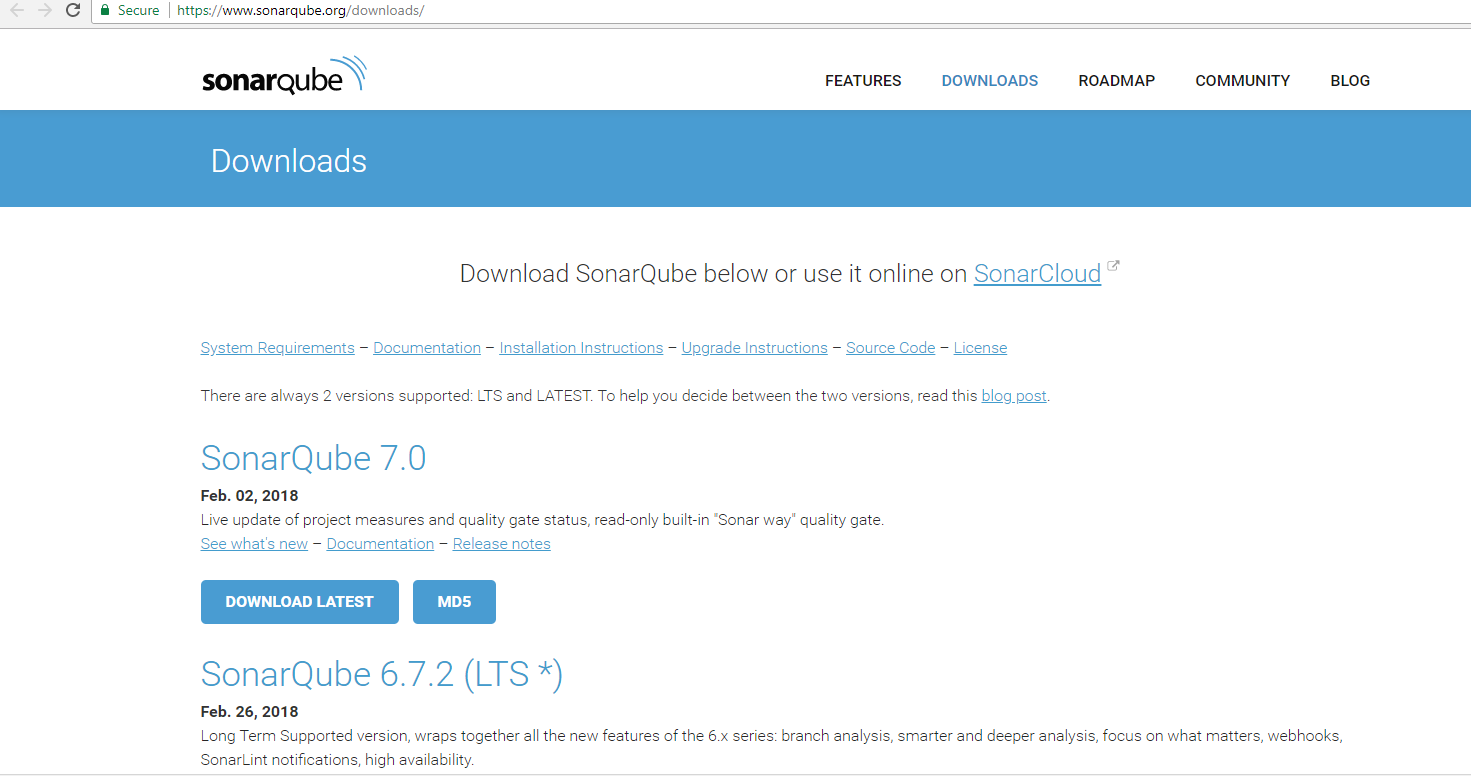
SonarQube installation

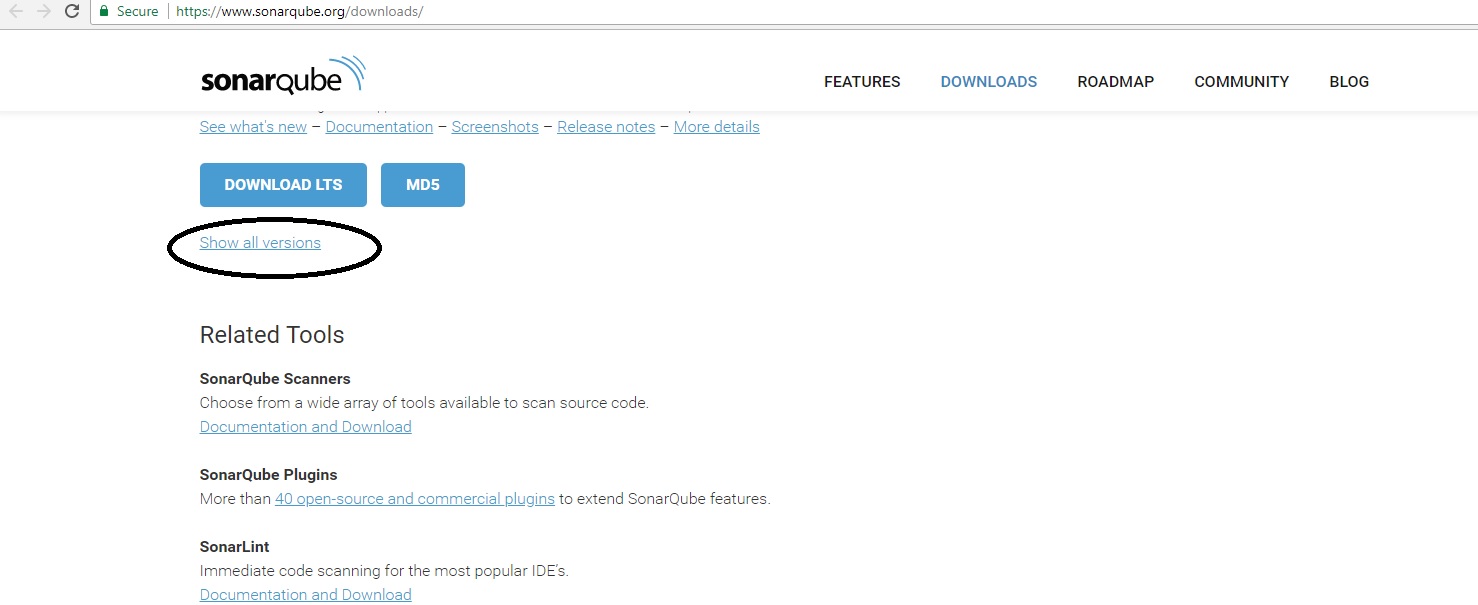
**Installation of SonarQube**

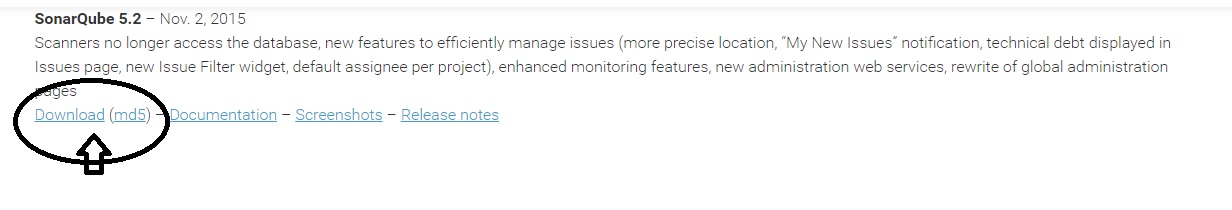
Following is instruction-set to get setup with SonarQube:

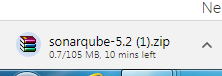
* Go <https://www.sonarqube.org/downloads/> -🡪click show all versions
* https://sonarsource.bintray.com/Distribution/sonarqube/sonarqube-5.2.zip
* Unzip the downloaded file
* Go to <install\_directory>/bin folder. You would find different folders related with OS platforms. As I have 64 bit Win system, I further went inside “windows-x86-64″ folder.
* You shall find different shell scripts files. For my win platform, I found different \*.bat file such as InstallNTService.bat, StartNTService.bat, StartSonar.bat etc.
* Copy the path of this folder which may look like S<install\_director>/bin/Windows-x86-64 (in case of my laptop), and append it to “Path” environment variable.
* Open a command prompt, type “StartSonar” command and execute. This would start a web server at default port of 9000.
* Open a web browser and access the page, http://localhost:9000. You shall see the page such as that shown in the screenshot below. This means that you have been able to successfully start your SonarQube server. Job, well done! Lets move further to analyze Spring PetClinic Sample Application.

Step :

* 

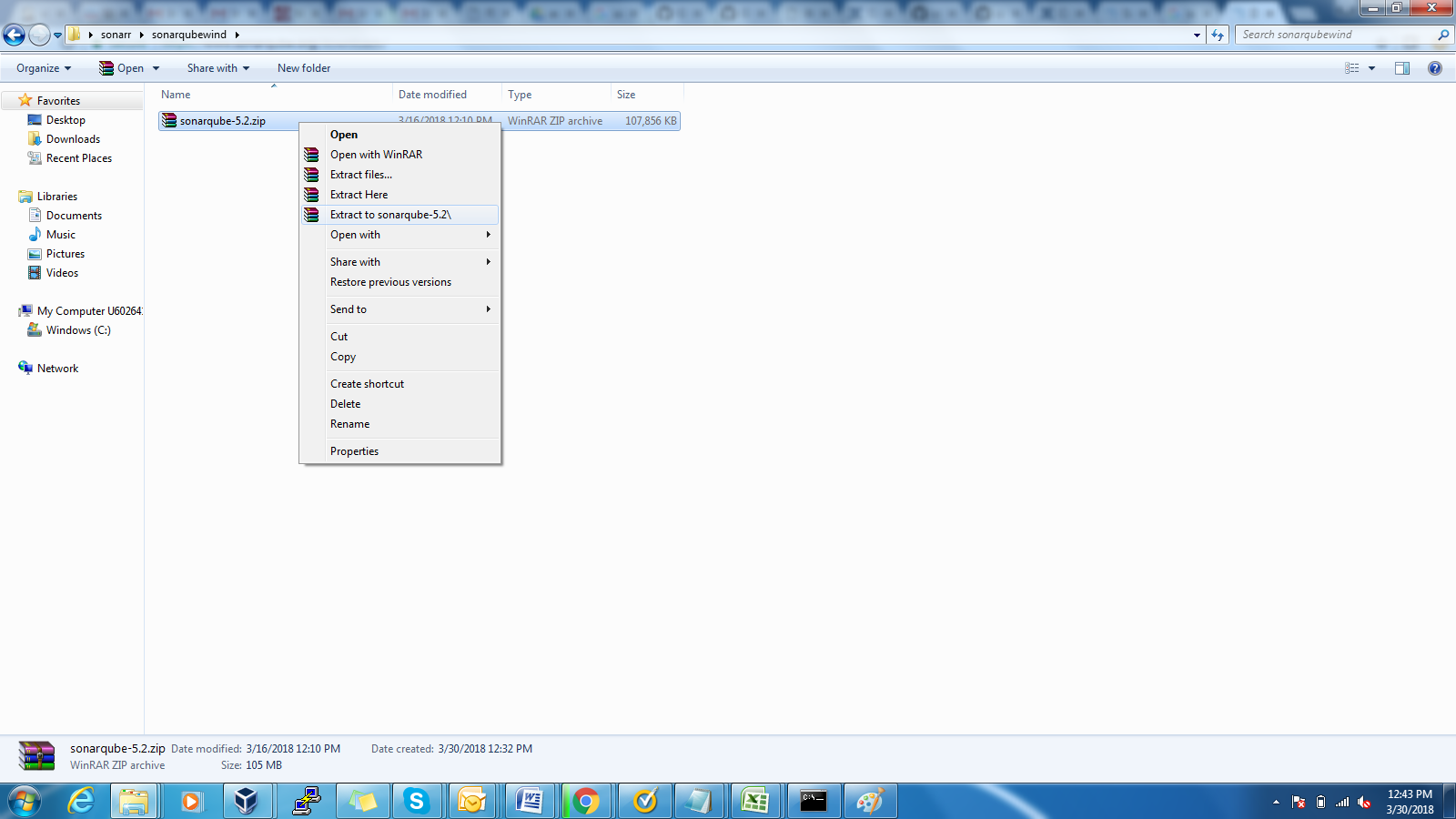




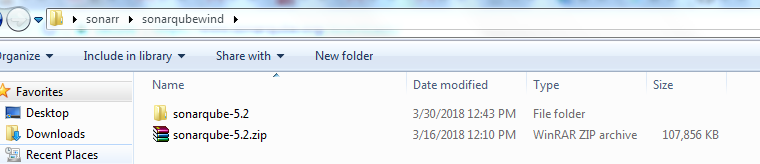


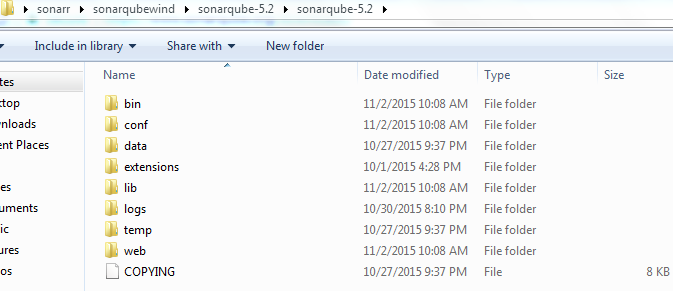


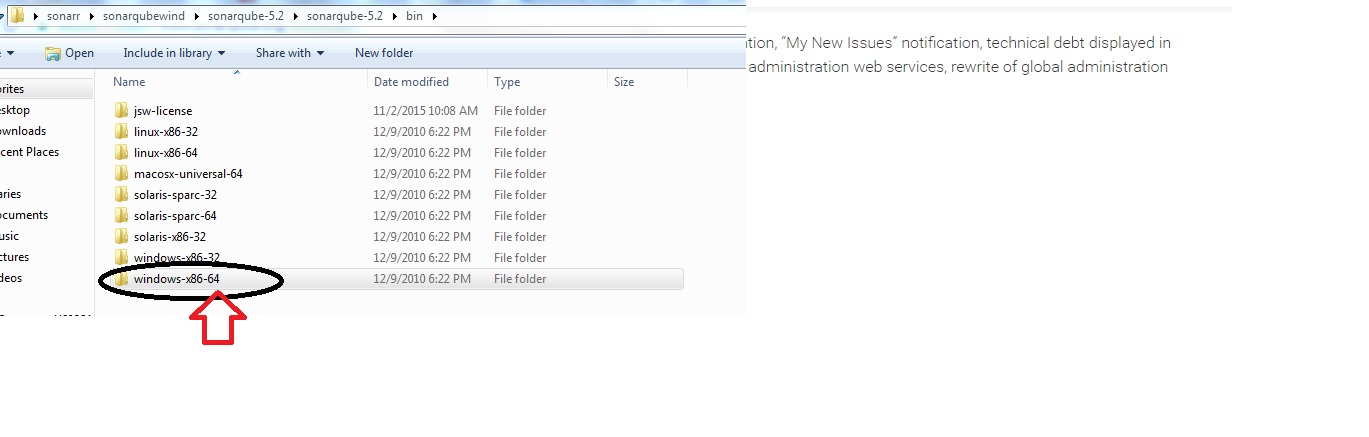
Step : Extract the sonarqube-5.2.zip



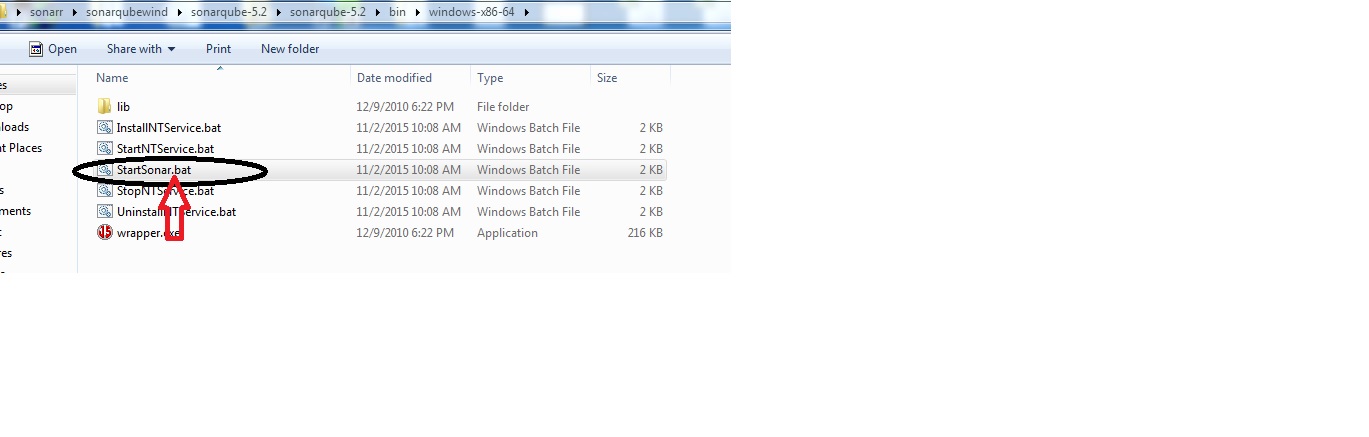
Step : After Extract zip file



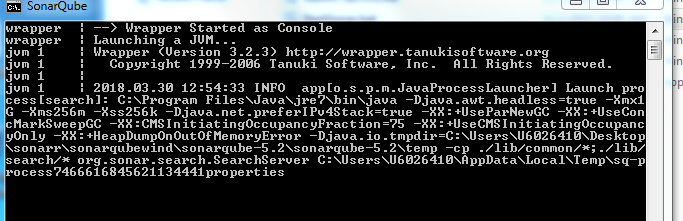


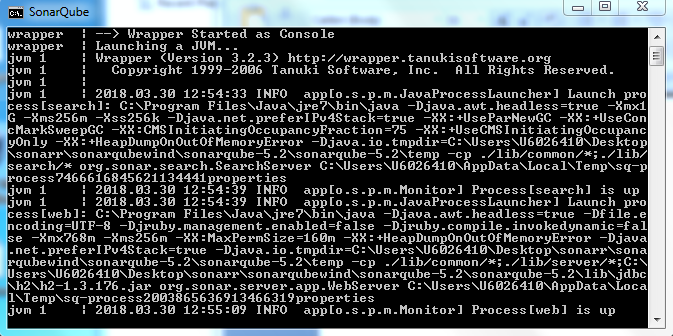


Step : Double click on 🡪StartSonar.bat file



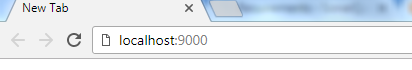
Step : once StartSonar.bat file we will get pop window like below it means sonar installation start



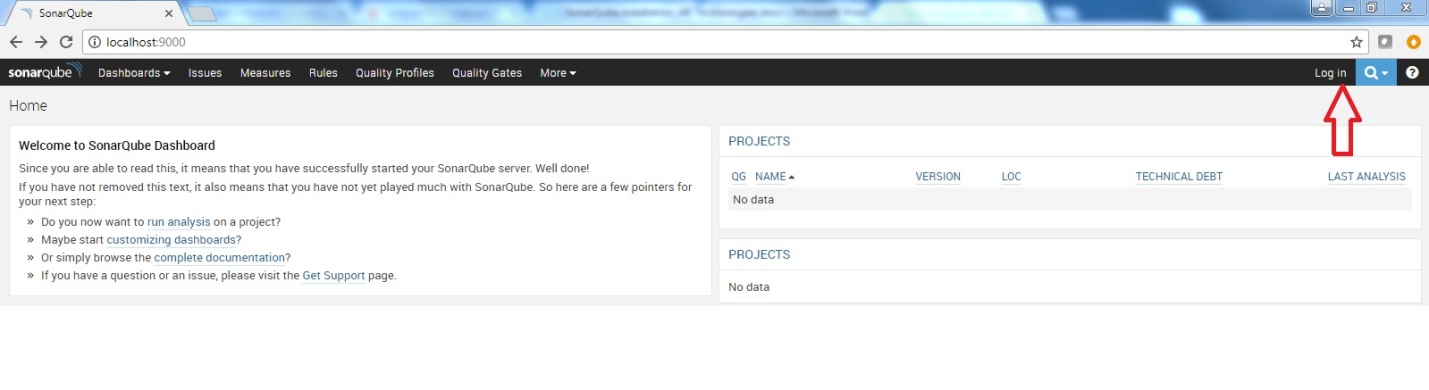


Step : after that login sonar local machine

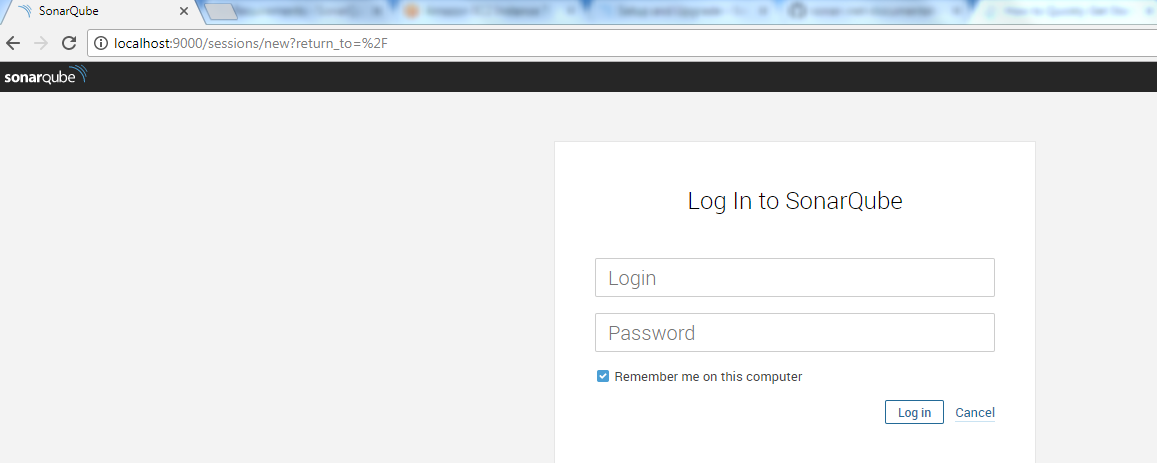
Step : open browser type localhost:9000



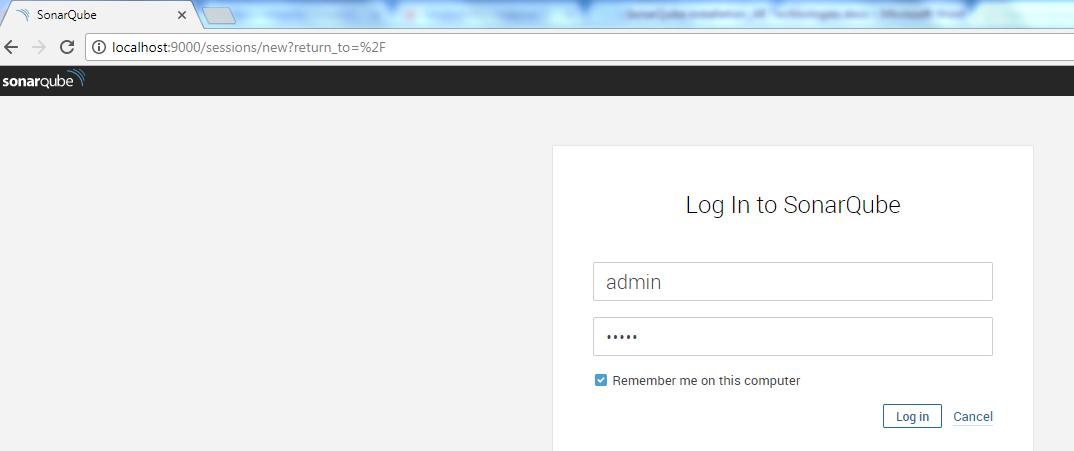
Step : click on login



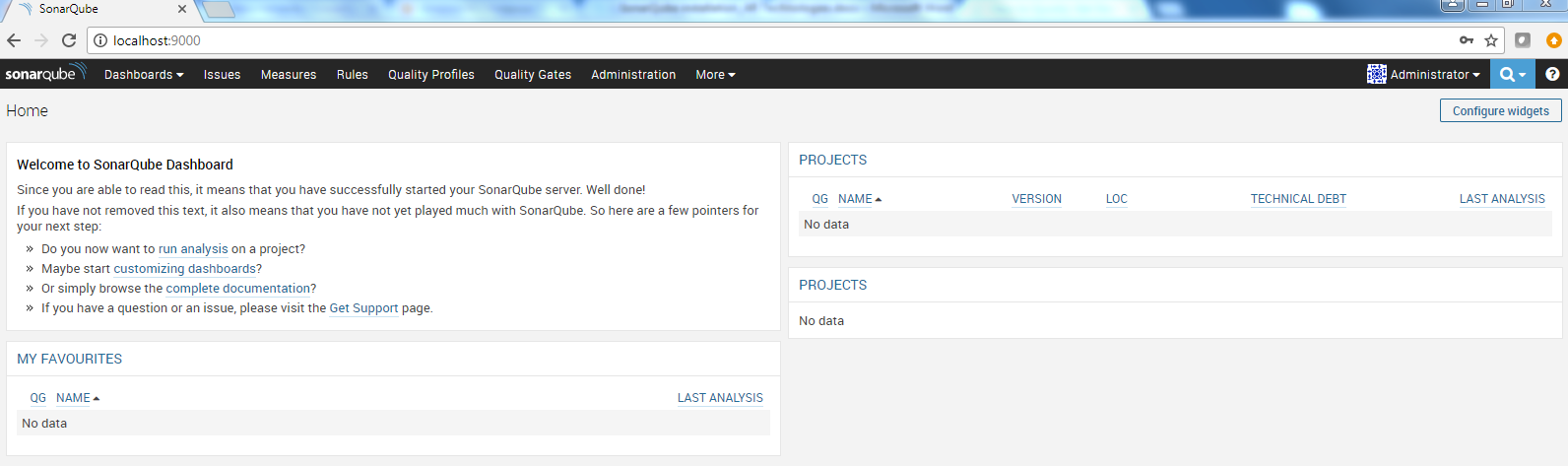
Step : give sonar login credentials below **username : admin password : admin**



Step :

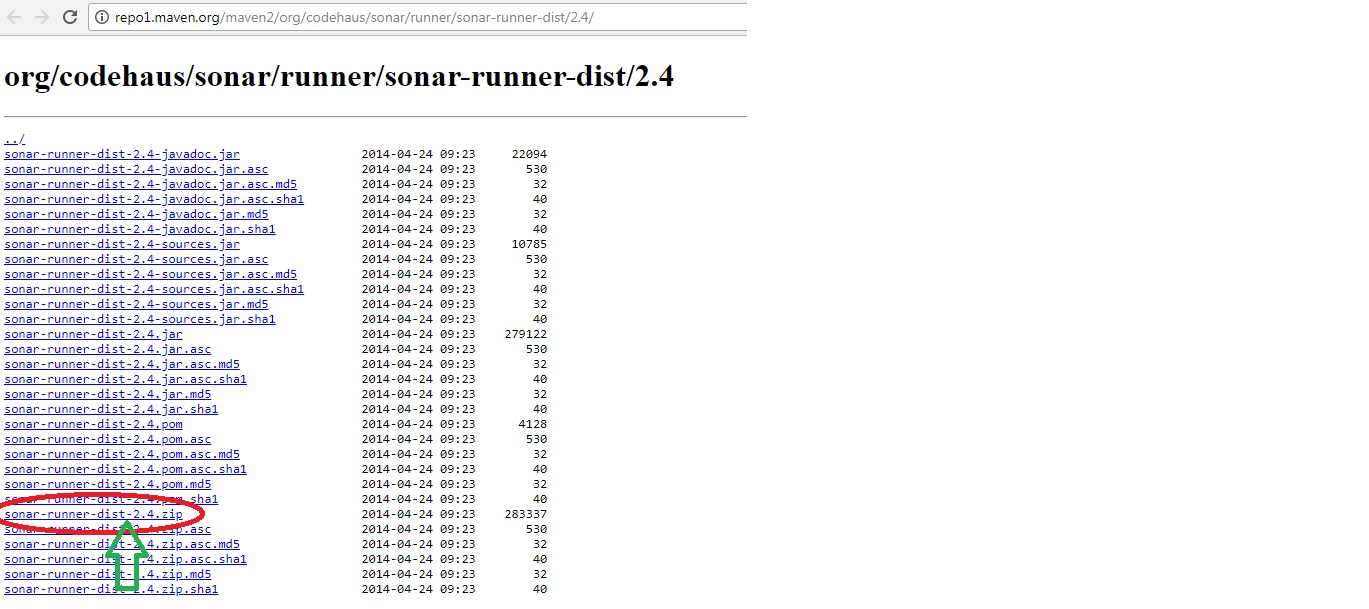


Step : after login sonar you will get sonar Dashboard like below



Step : Download Sonar runner form below link

Step : <http://repo1.maven.org/maven2/org/codehaus/sonar/runner/sonar-runner-dist/2.4/>



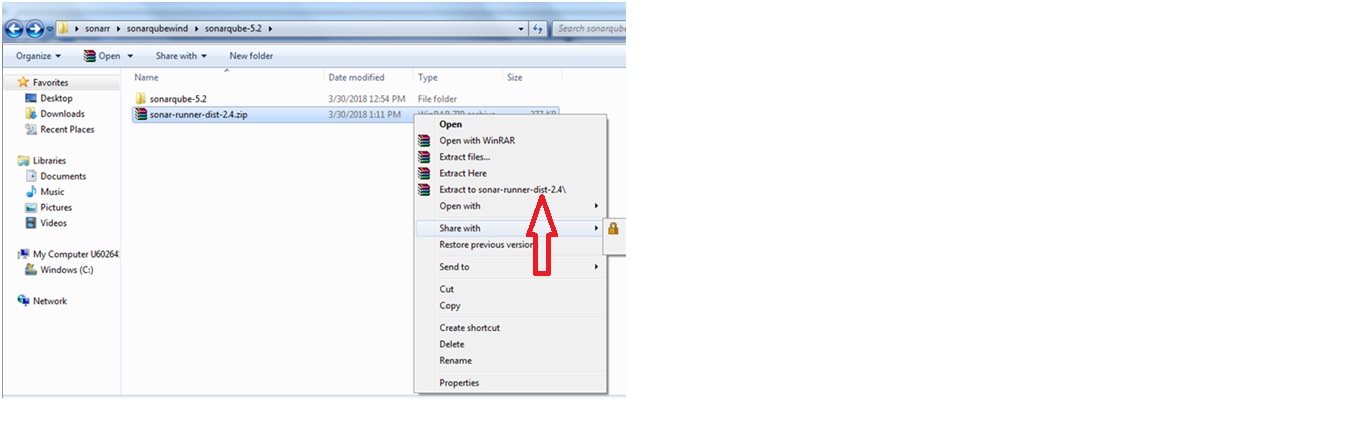
Step



Step:



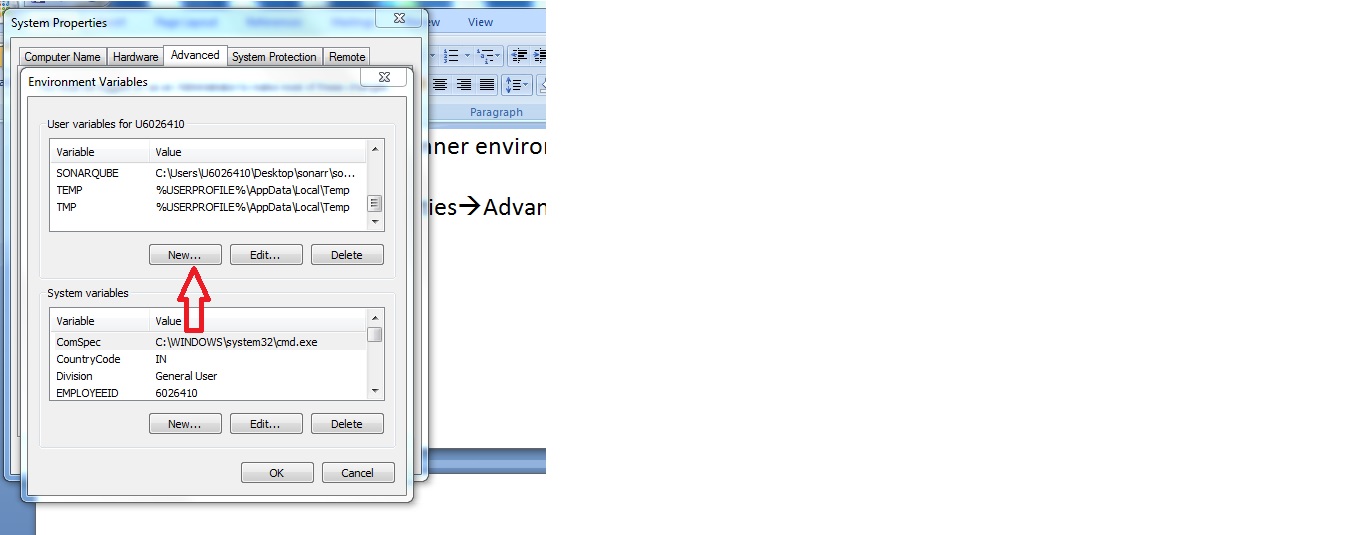
Step :



Step: Give Sonar Runner environment variable path.

Click on Pc🡪Properties🡪Advance System settings🡪Environment variables

Step :



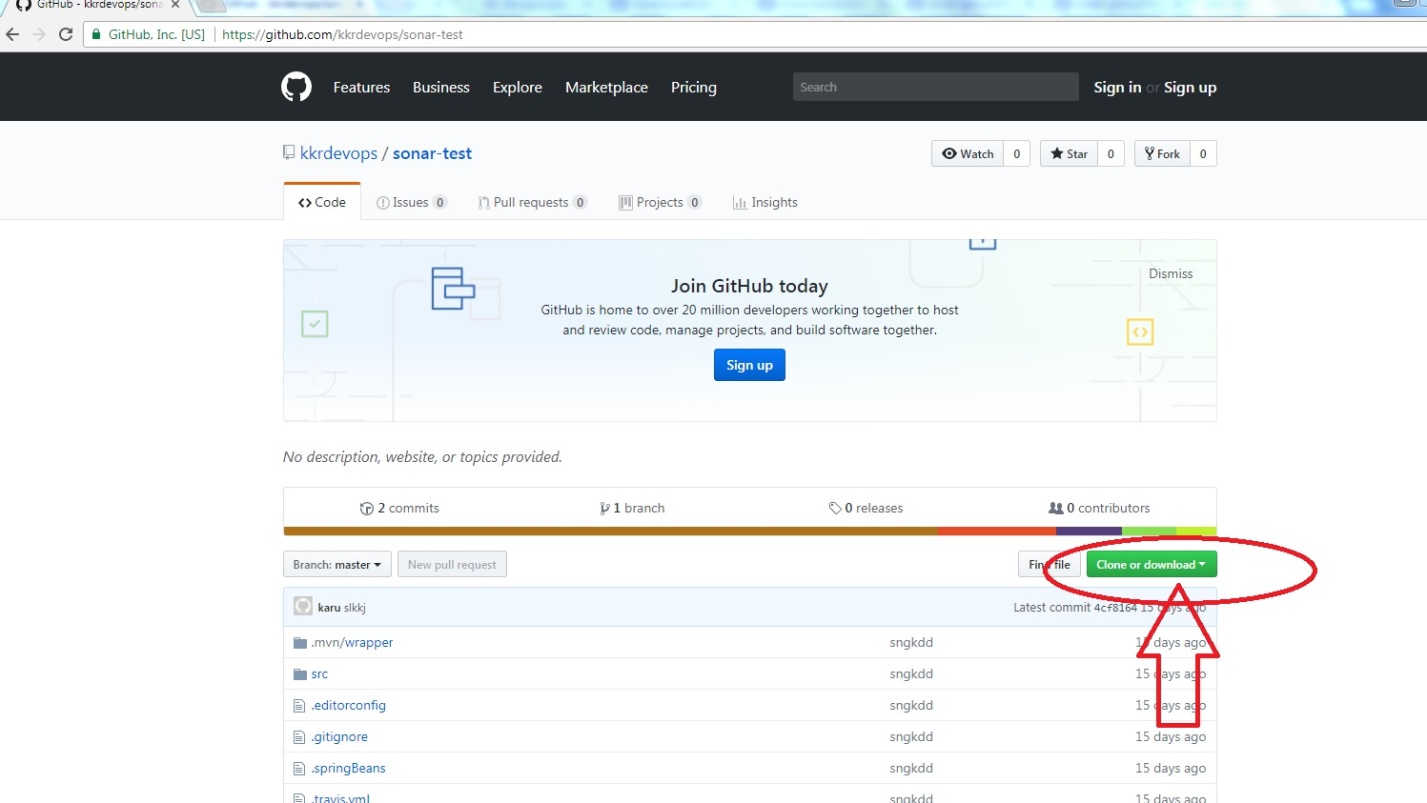
Step : SONAR\_RUNNER\_HOME

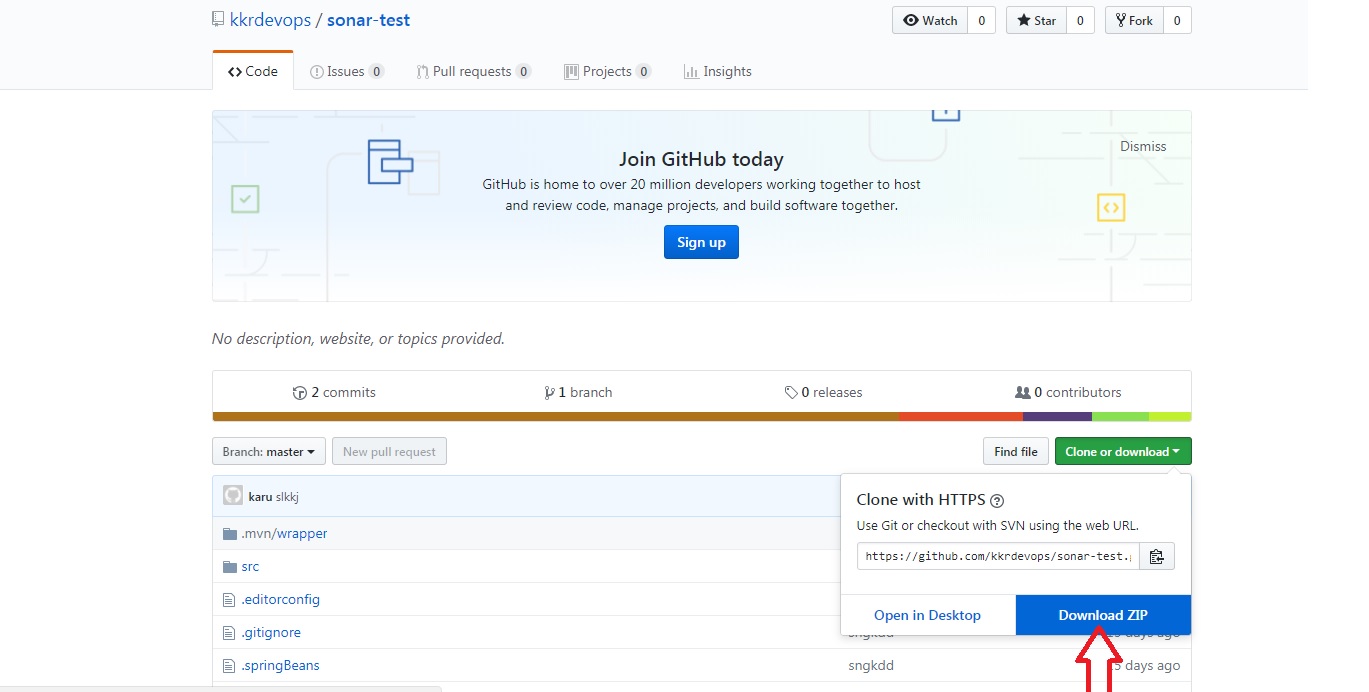
Step : C:\Users\U6026410\Desktop\sonarr\sonar-runner\sonar-runner-dist-2.4\sonar-runner-2.4\ (as per sonar runner path)



Step : go to github download maven and sonar code

Step : open browser go that link : <https://github.com/kkrdevops/sonar-test>

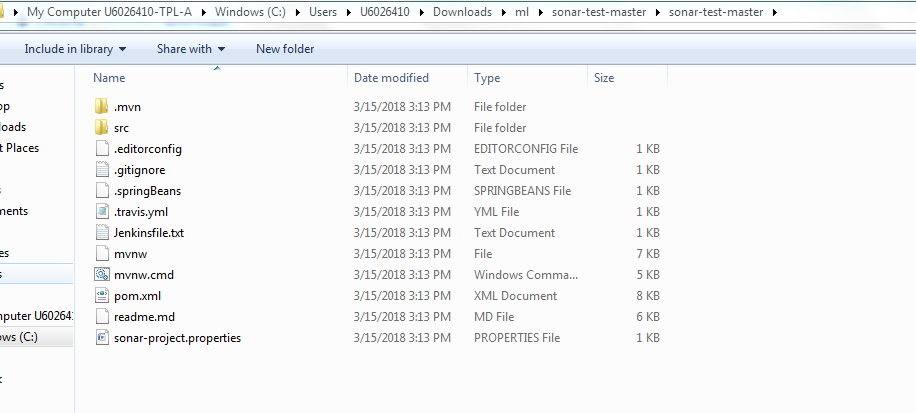




Step : click on Download ZIP

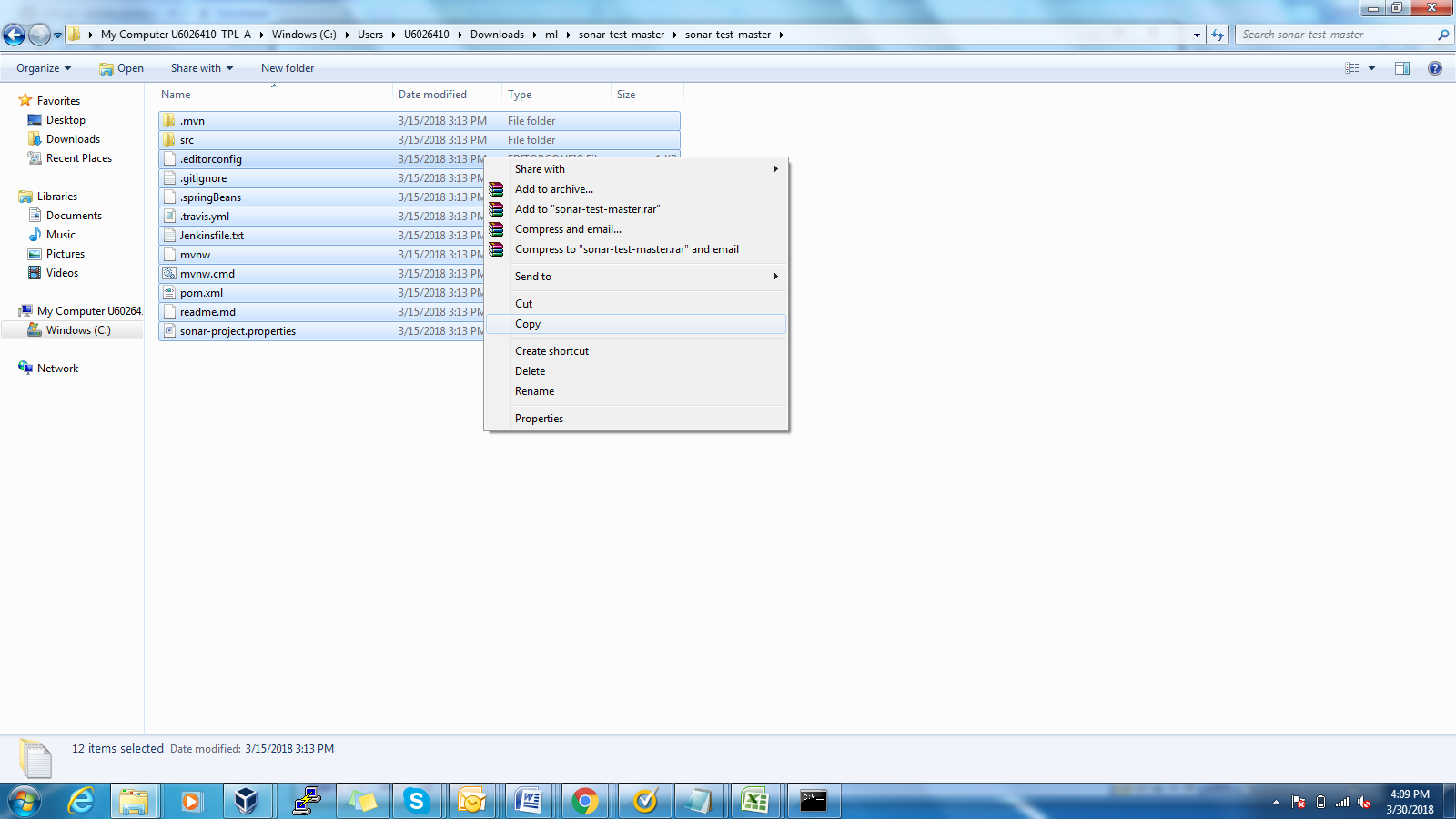


Step : extract the zip file

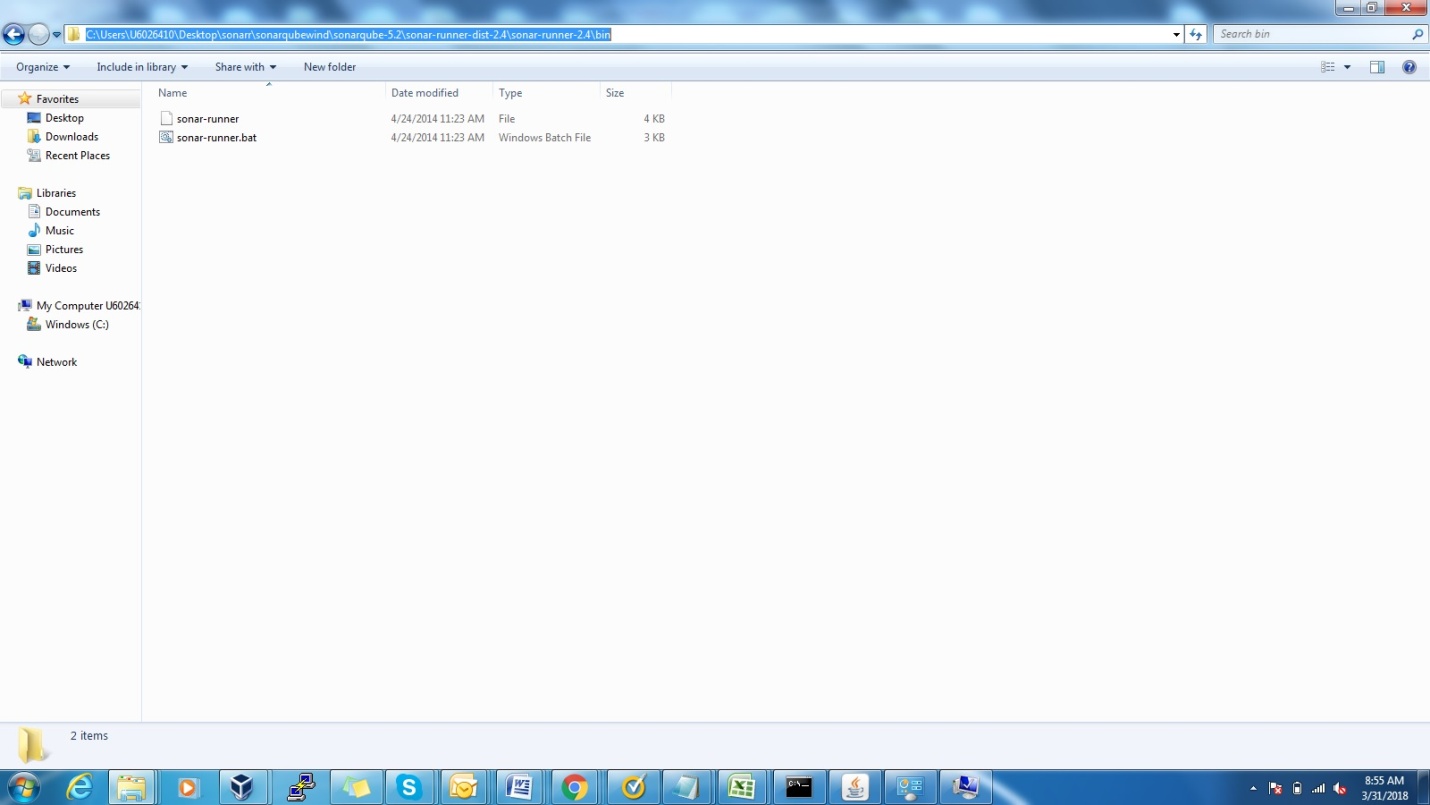


Step : copy the all files into sonarrunner folder path

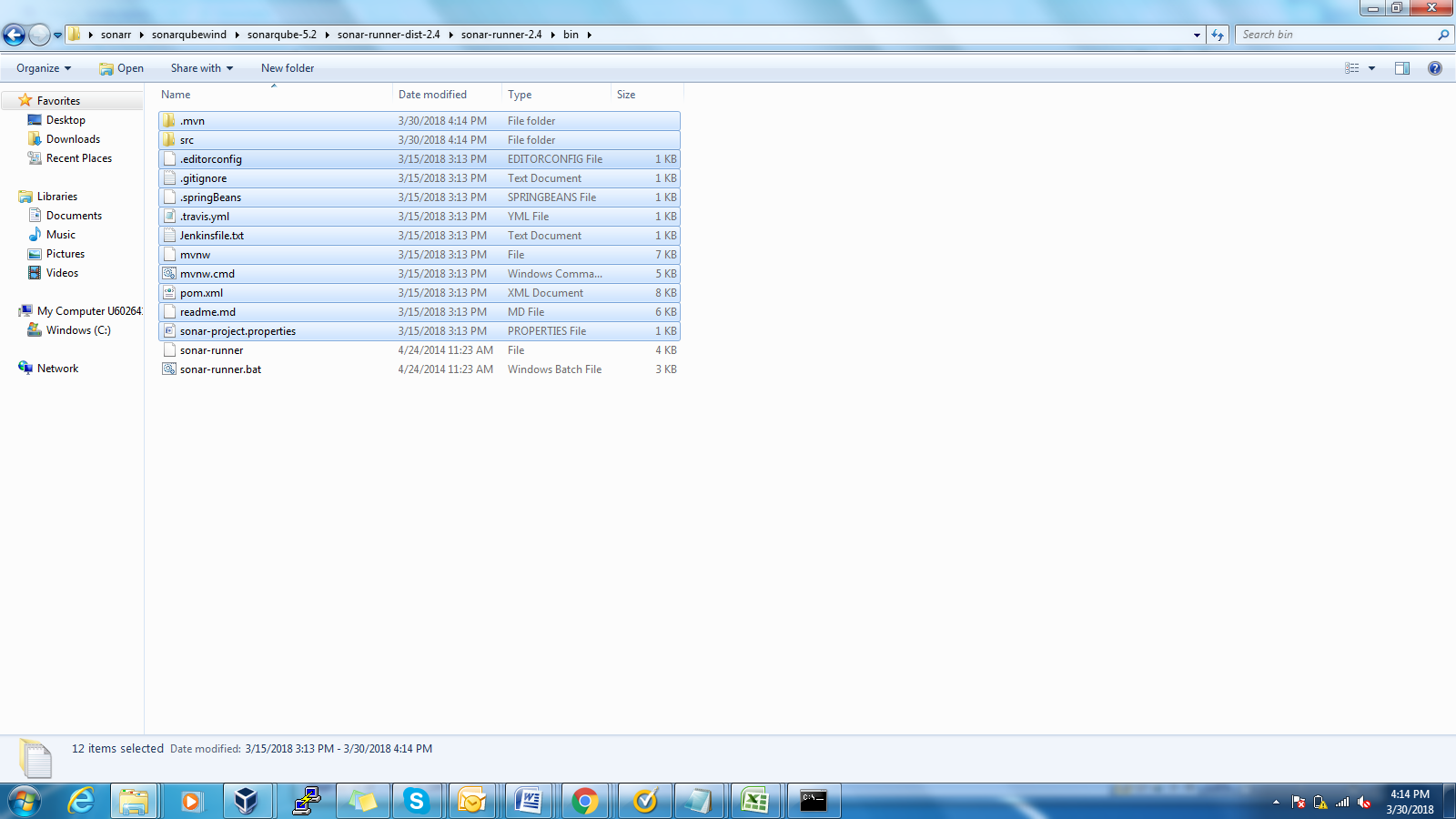
Step :



Step sonar runner path



Step : Copy that maven code into the sonar runner bin folder,once you copy you will get below screenshot.



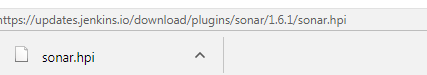
Step : Install Sonarqube plugin in Jenkins

Step : go to this link you will get sonarqube plugin: <https://updates.jenkins.io/download/plugins/sonar/>

Step :



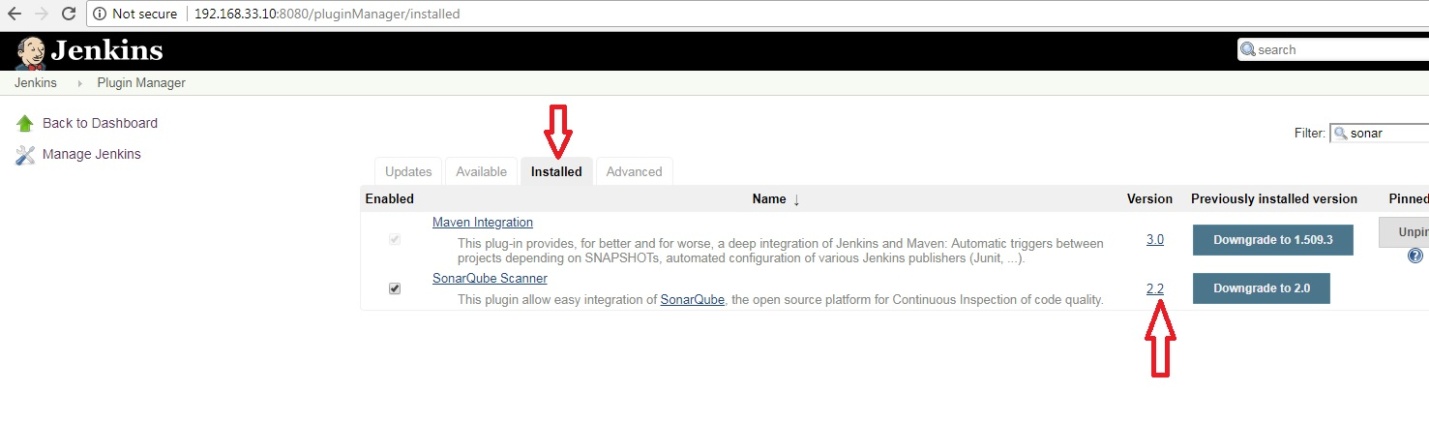
Step :



Step : Go to Jenkins🡪Manage Jenkins 🡪manage plugins🡪Advanced🡪select upload file option



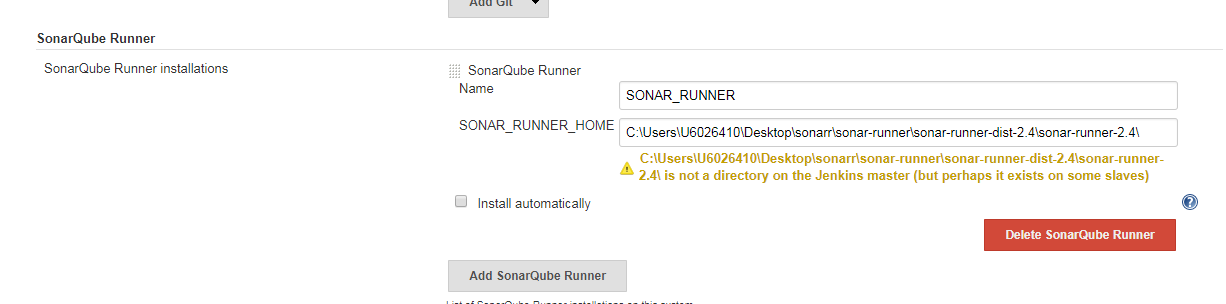
Step : checking sonarqube plugin version



Step :click on Jenkins🡪manage Jenkins🡪Configure system🡪select SonarQube Runner option:

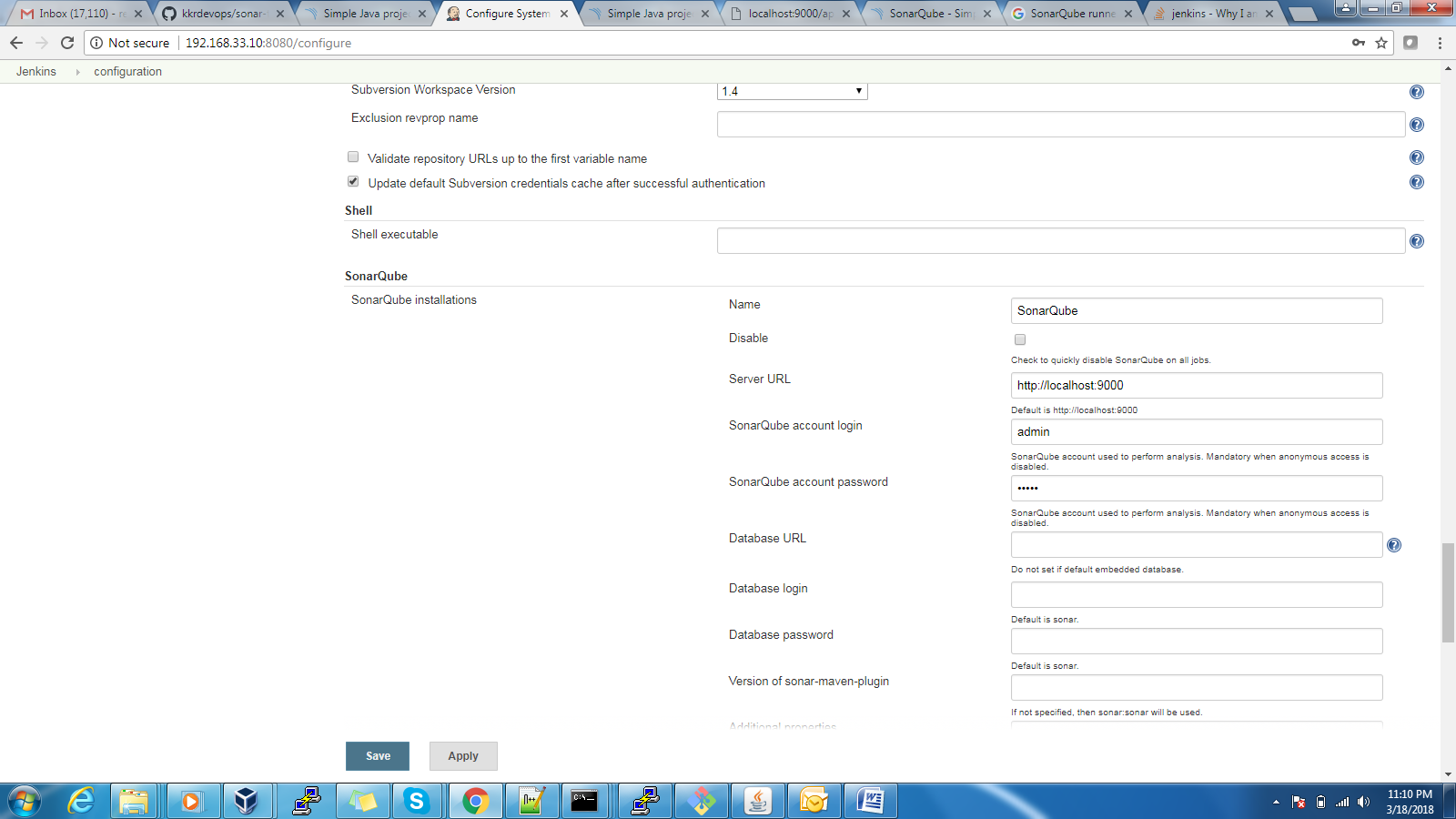
SonarQube runner name= SONAR\_RUNNER

Sonar\_Runner\_Home = C:\Users\U6026410\Desktop\sonarr\sonar-runner\sonar-runner-dist-2.4\sonar-runner-2.4\ (as per your copy path)



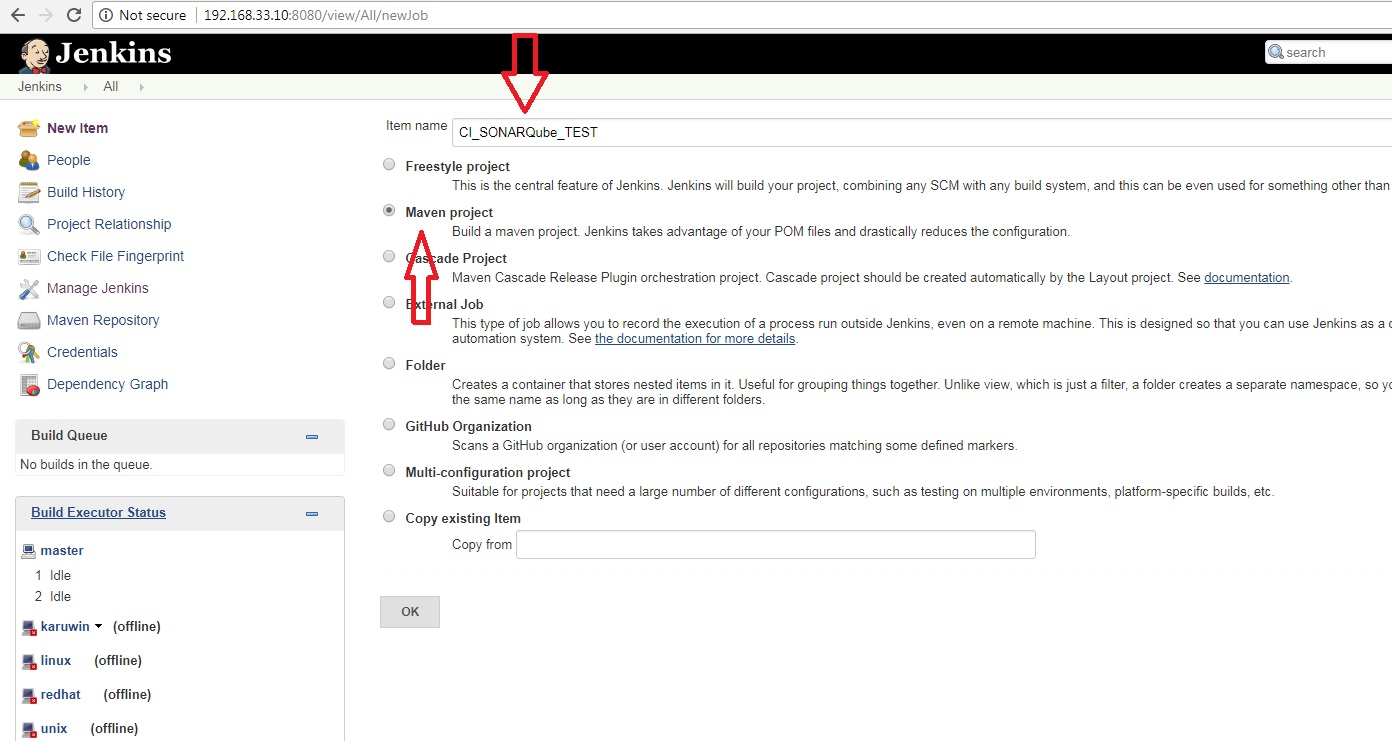
Step : Click on Jenkins🡪manage Jenkins🡪Configure system🡪click on SonarQube

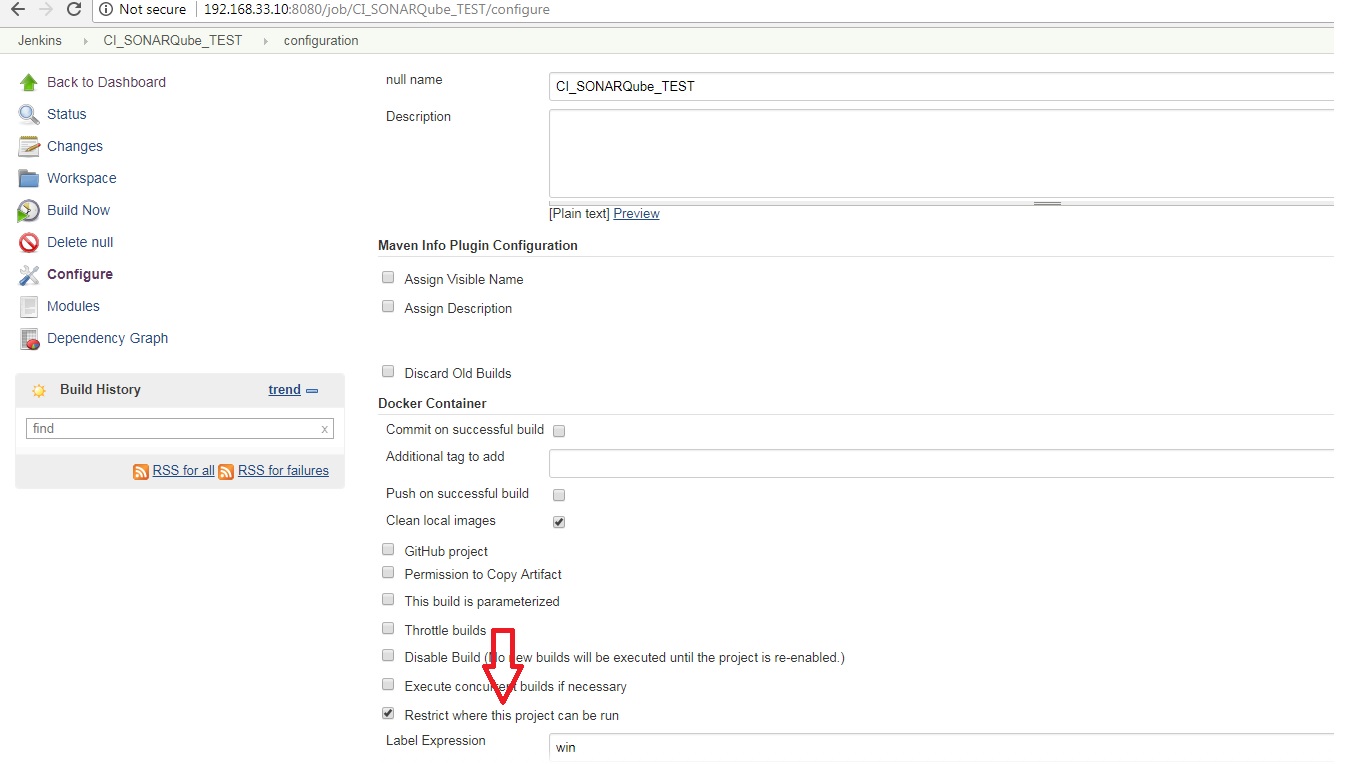
Step : Configure SonarQube server installation path



Create one Sonar Job in Jenkins:

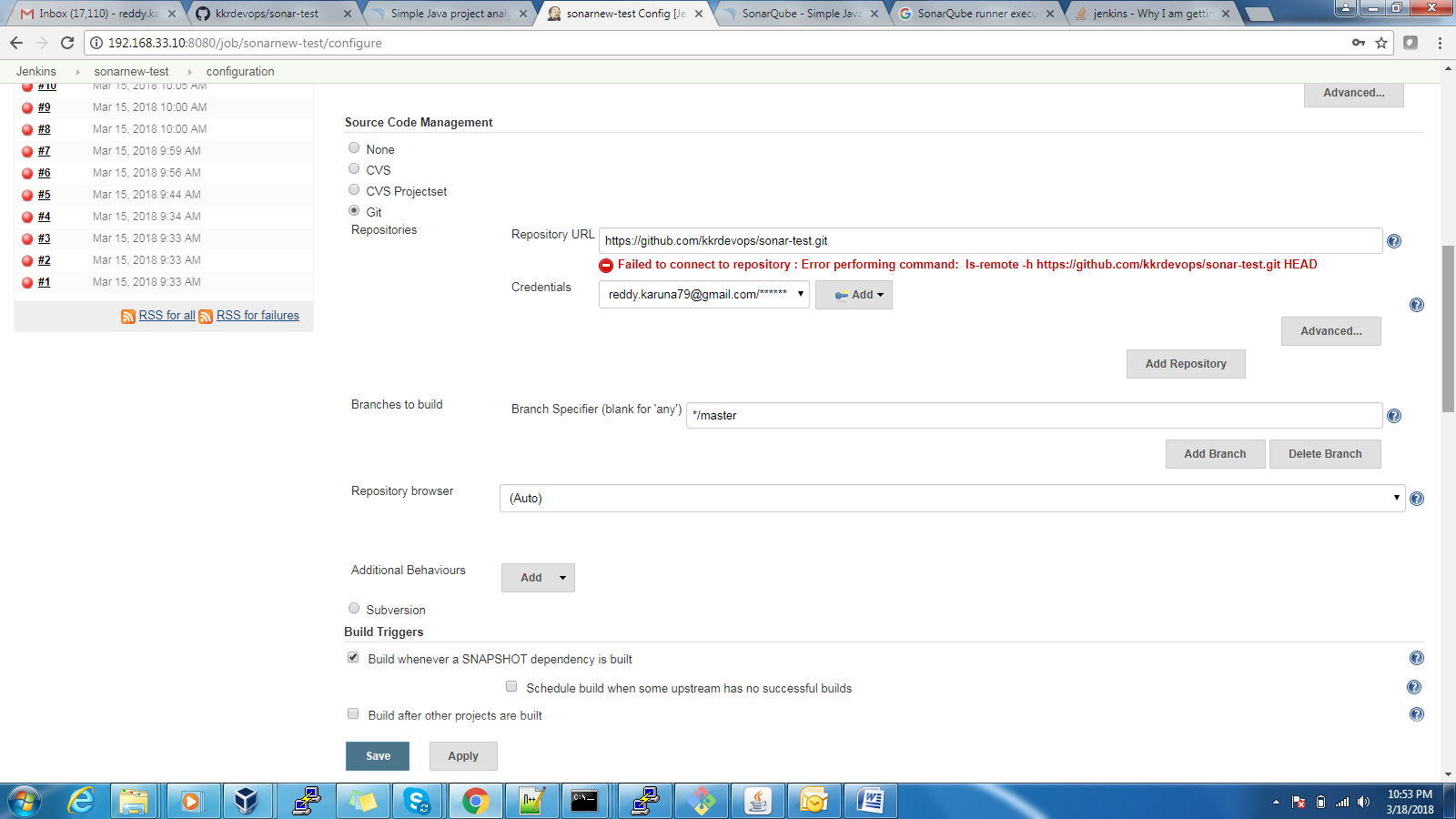
Step :Click on New Item🡪Iteam Name (Create CI\_SonarQube\_TEST)



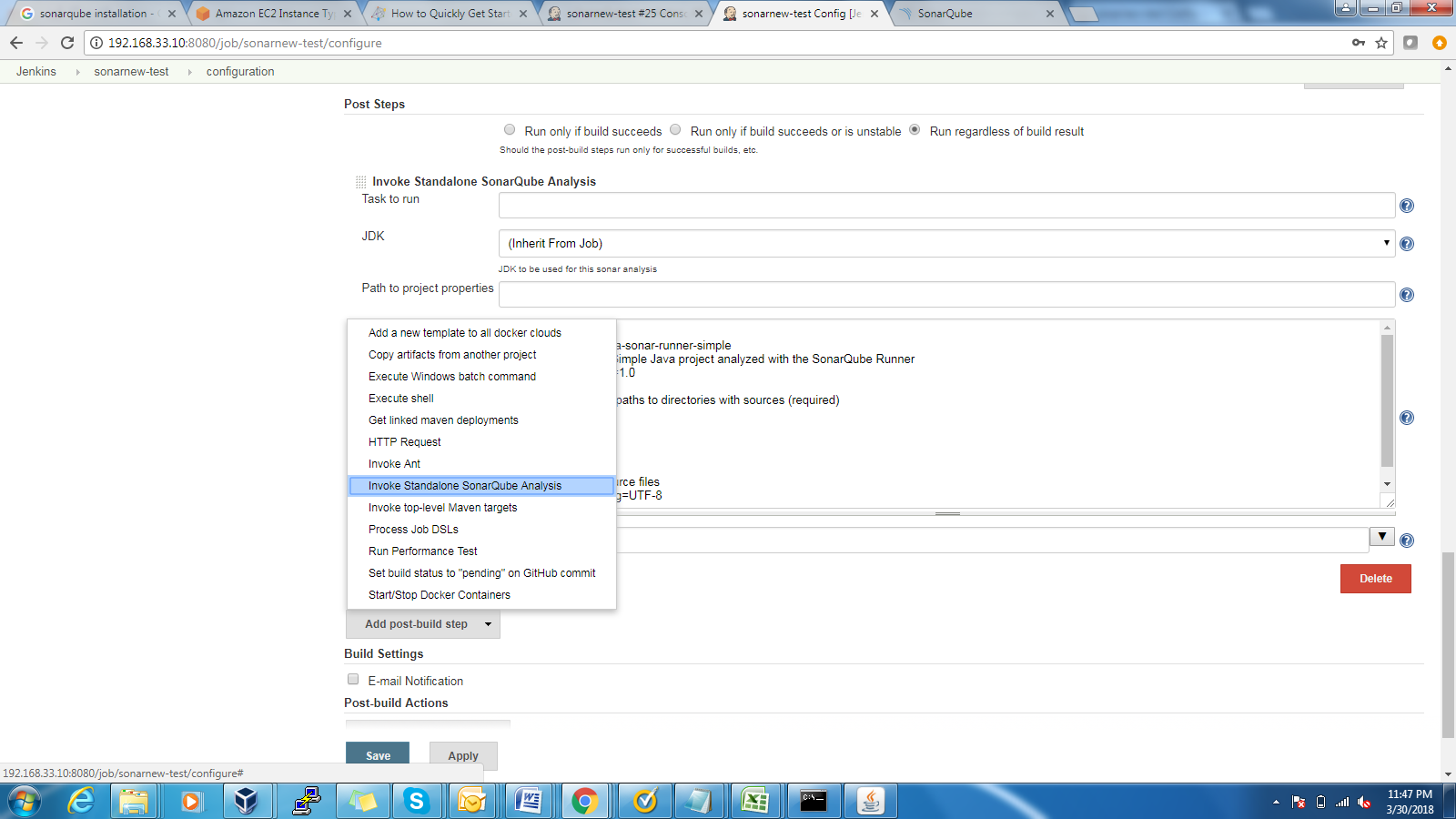
****

**Step1:** Give **Source Code Management—>Git repository URL**

**Step :** [**https://github.com/kkrdevops/sonar-test.git**](https://github.com/kkrdevops/sonar-test.git)

****

**Step : add post-build step 🡪Invoke Standlone SonarQube Analysis**

****

****

JDK – java\_home

Analysis properties:

#Required metadata

sonar.projectKey=java-sonar-runner-simple

sonar.projectName=Simple Java project analyzed with SonarQube Runner

sonar.projectVersion=1.0

#Comma-separated paths to directories with sources (required)

sonar.sources=src

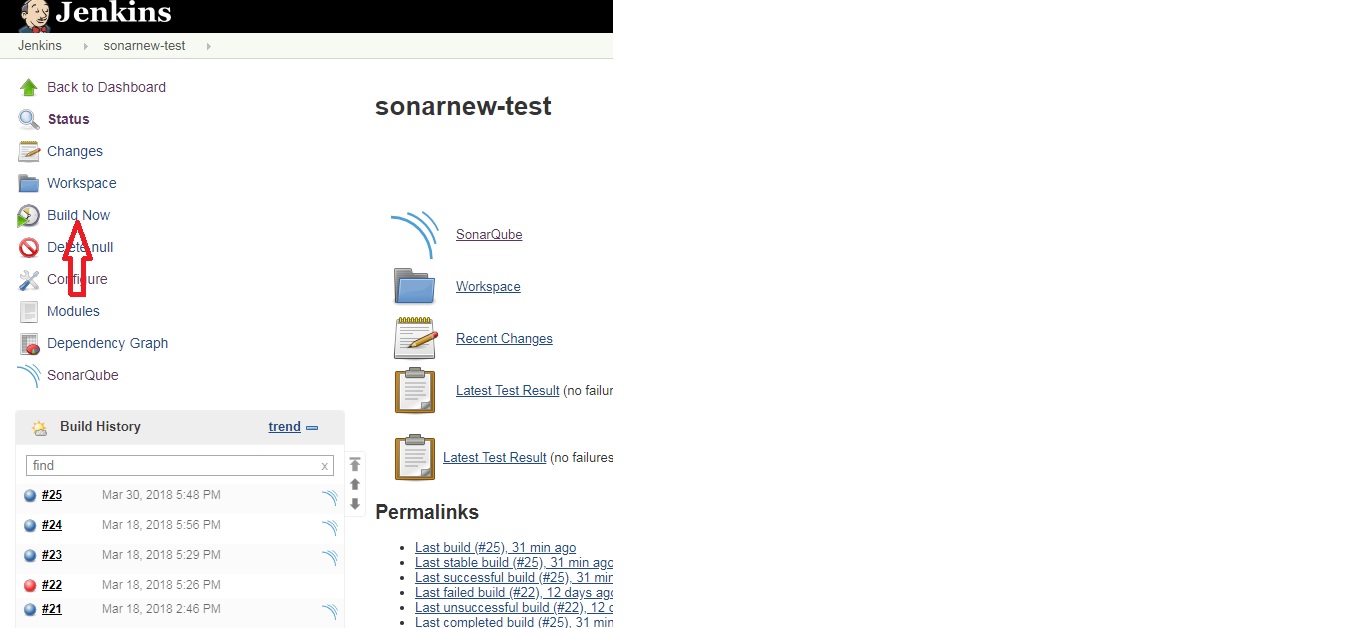
#Language

sonar.language=java

#Encoding of the source files

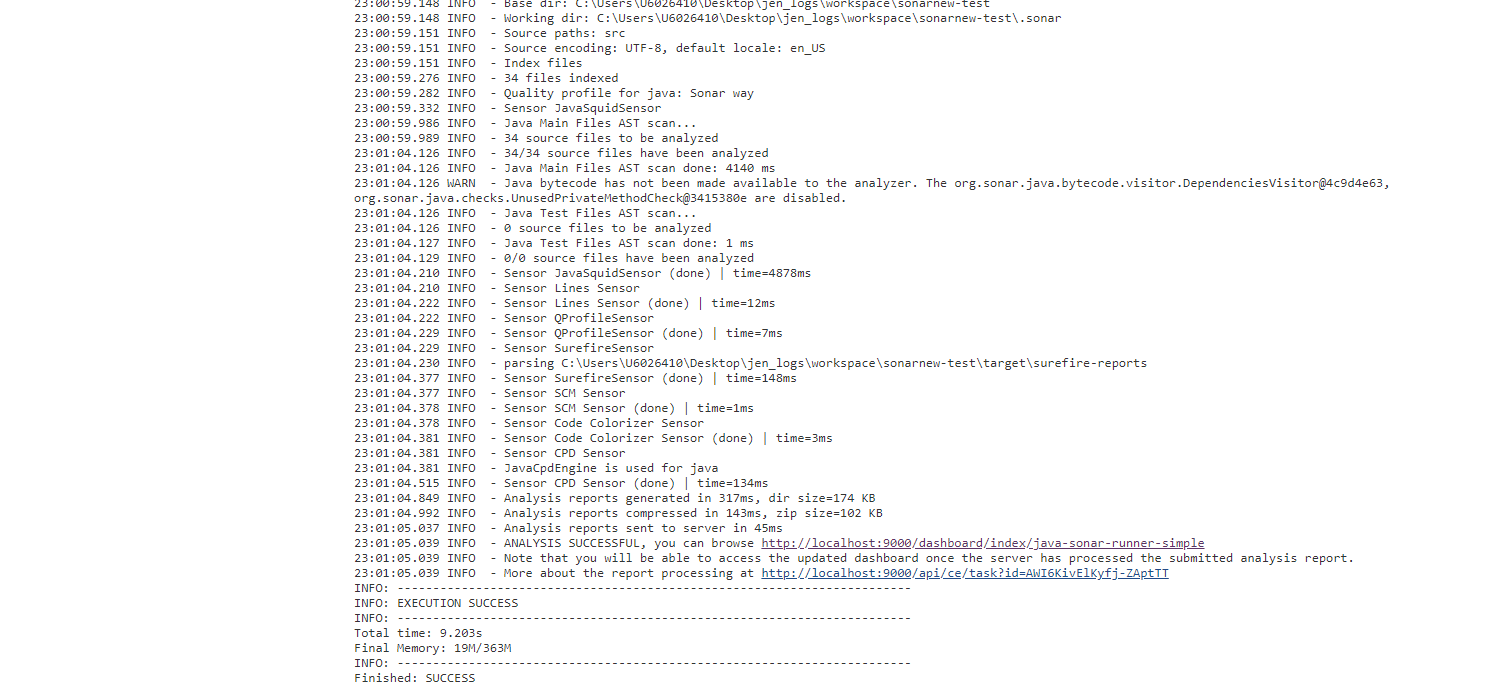
sonar.sourceEncoding=UTF-8

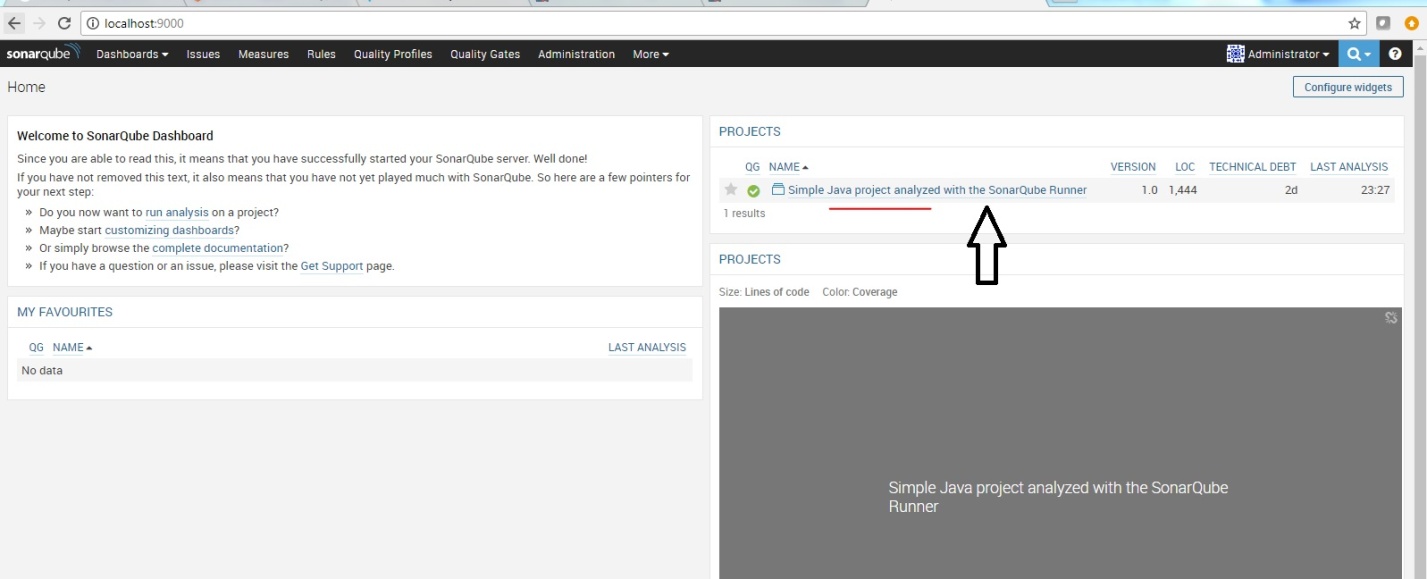
**Step :**

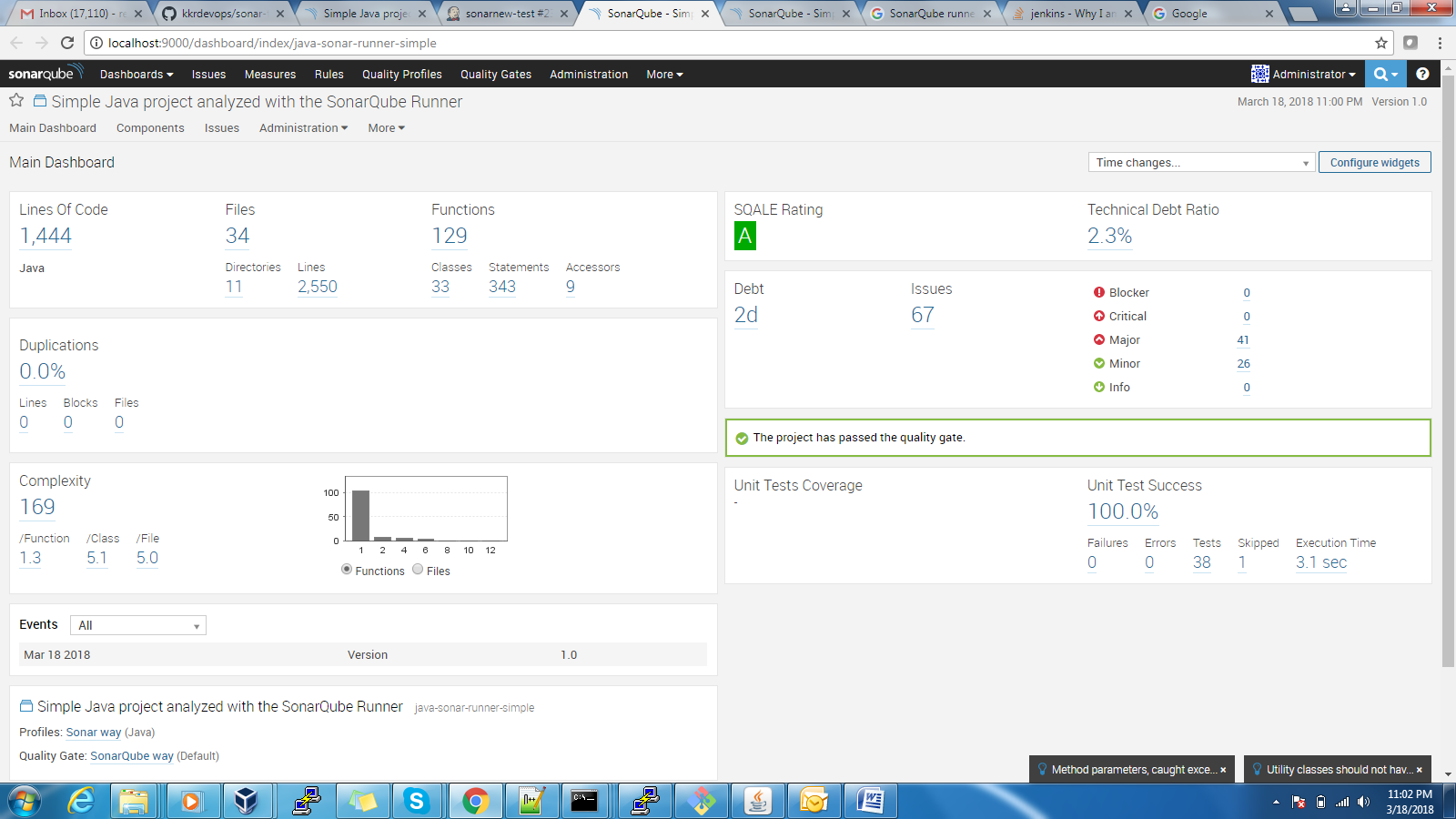
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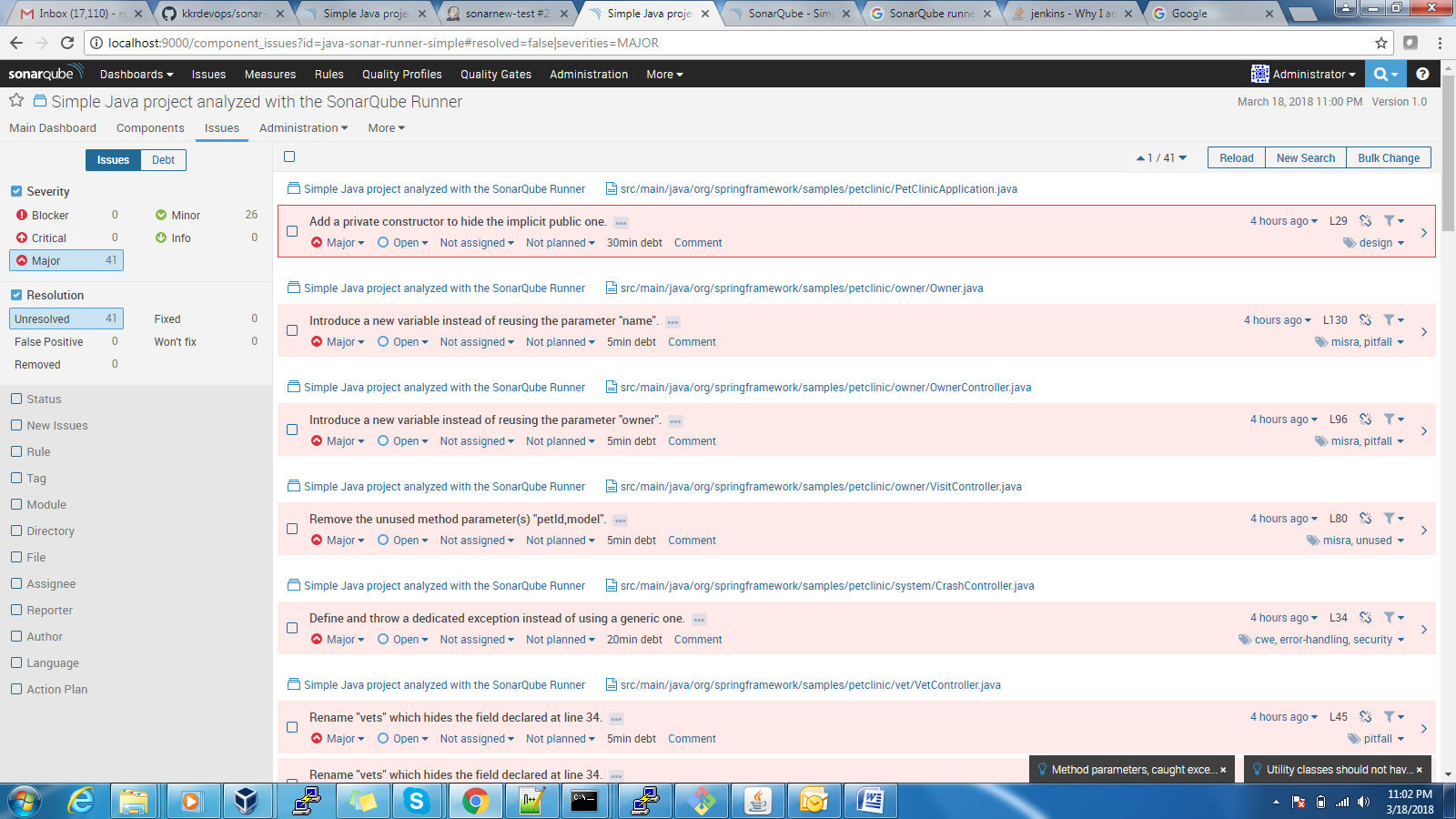
**Step : Click 🡪** [Console Output](http://192.168.33.10:8080/job/sonarnew-test/25/console)

****

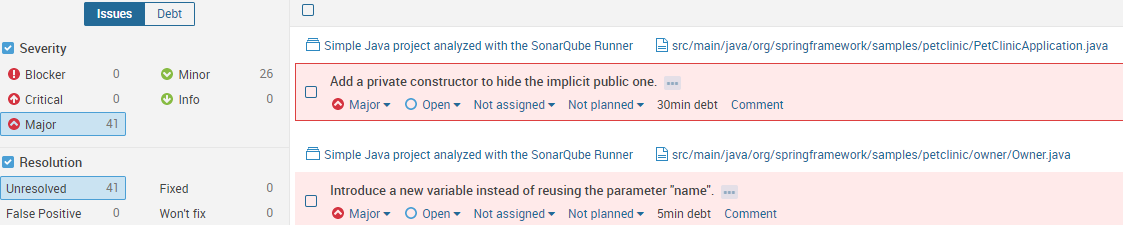
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Step:



Step :

