

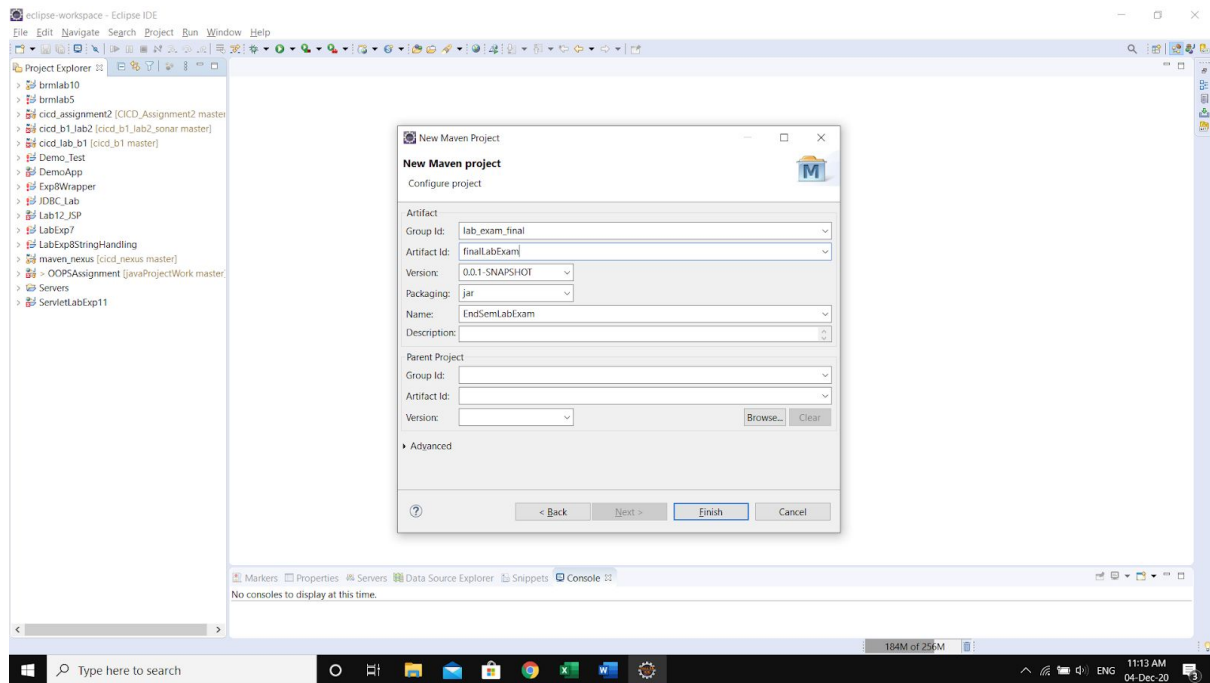
# Continuous Integration and Deployment Lab

## Final Lab Exam

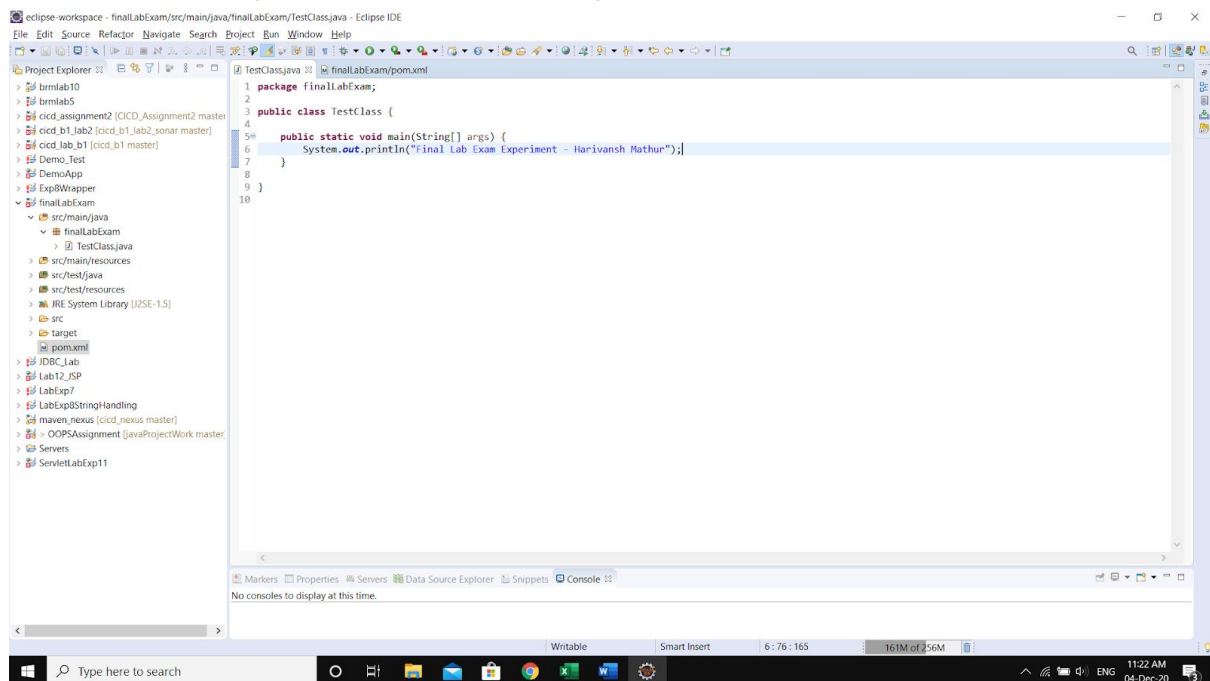
Name : Harivansh Mathur

Roll No : R171218043

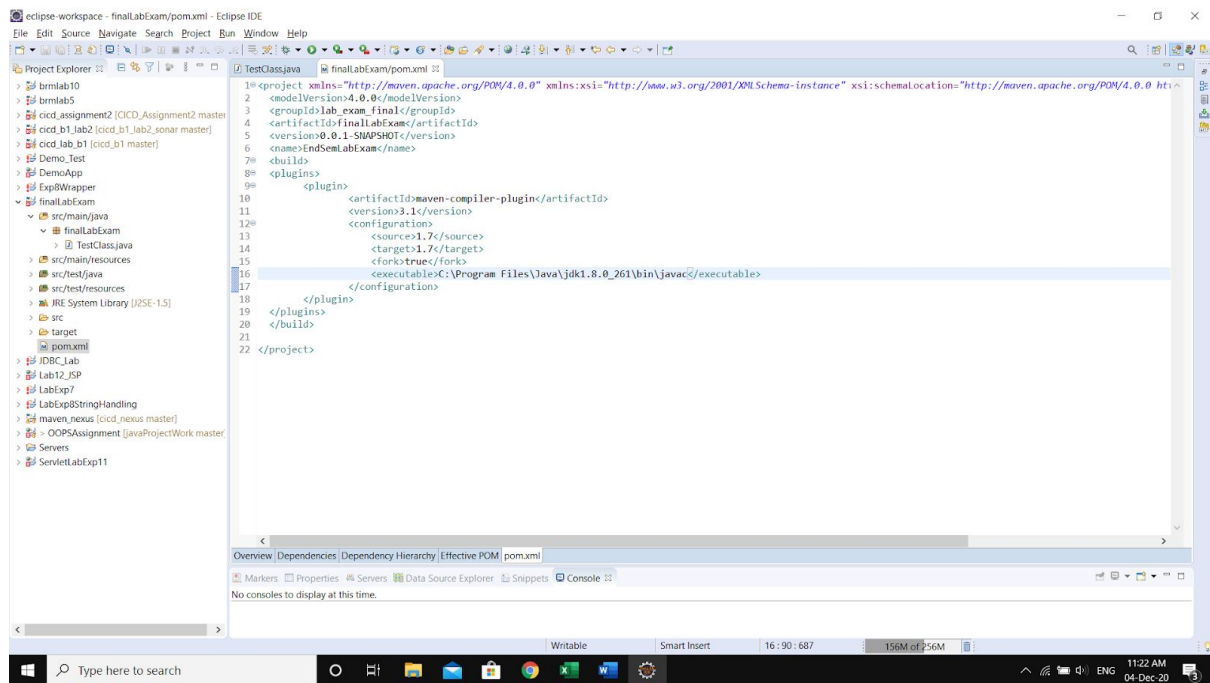
Make a maven project in eclipse →



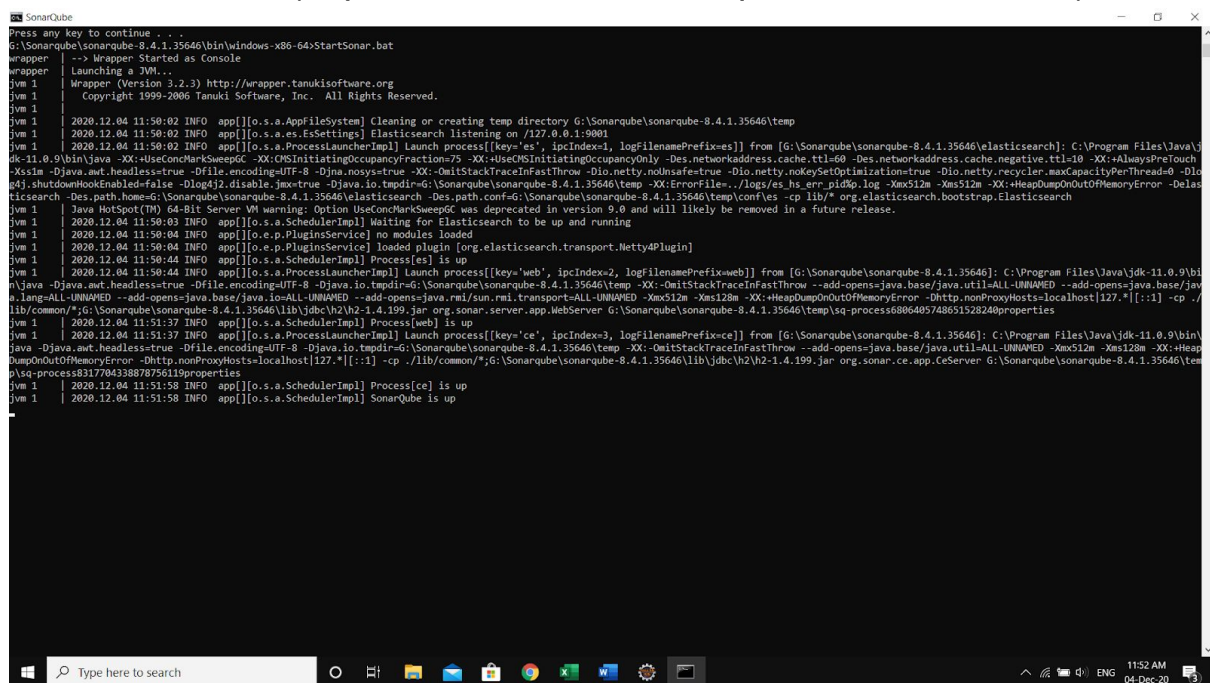
Make a simple java class in that project →



## POM.xml of the project →



In command prompt, go to the location where SonarQube is located and start SonarQube (Important : SonarQube requires Java 11 to run) →



When Sonarqube is up open another instance of command prompt and go the location where your Maven Project is saved and enter this command →

***mvn clean install sonar:sonar -Dsonar.host.url=http://localhost:9000 -Dsonar.analysis.mode=publish***

```
Command Prompt
Microsoft Windows [Version 10.0.19042.662]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\hp>cd eclipse-workspace\finalLabExam

C:\Users\hp>cd eclipse-workspace\finalLabExam>mvn clean install sonar:sonar -Dsonar.host.url=http://localhost:9000 -Dsonar.analysis.mode=publish
[INFO] Scanning for projects...
[INFO] -----< lab_exam_final:finalLabExam >-----
[INFO] Building EndSentabExam 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ finalLabExam ---
[INFO] Deleting C:\Users\hp\workspace\finalLabExam\target
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ finalLabExam ---
[WARNING] Using platform encoding (cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ finalLabExam ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding (cp1252, i.e. build is platform dependent!)
[INFO] Compiling 1 source file to C:\Users\hp\workspace\finalLabExam\target\classes
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ finalLabExam ---
[WARNING] Using platform encoding (cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ finalLabExam ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ finalLabExam ---
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ finalLabExam ---
[INFO] Building jar: C:\Users\hp\workspace\finalLabExam\target\finalLabExam-0.0.1-SNAPSHOT.jar
[INFO] --- maven-install-plugin:2.4:install (default-install) @ finalLabExam ---
[INFO] Installing C:\Users\hp\workspace\finalLabExam\target\finalLabExam-0.0.1-SNAPSHOT.jar to C:\Users\hp\.m2\repository\lab_exam_final\finalLabExam-0.0.1-SNAPSHOT\finalLabExam-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\hp\workspace\finalLabExam\pom.xml to C:\Users\hp\.m2\repository\lab_exam_final\finalLabExam-0.0.1-SNAPSHOT\finalLabExam-0.0.1-SNAPSHOT.pom
[INFO] -----< lab_exam_final:finalLabExam >-----
[INFO] Building EndSentabExam 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- sonar-maven-plugin:3.7.0.1746:sonar (default-cli) @ finalLabExam ---
[INFO] User cache: C:\Users\hp\.sonar\cache
[INFO] SonarQube version: 8.4.1
[INFO] Default locale: "en_US", source code encoding: "windows-1252" (analysis is platform dependent)
[INFO] Load global settings
[INFO] Load global settings (done) | time=360ms
```

```
Command Prompt
[INFO] 0/0 source files have been analyzed
[INFO] Java Generated Files AST scan
[INFO] 0 source files to be analyzed
[INFO] Java Generated Files AST scan (done) | time=6ms
[INFO] 0/0 source files have been analyzed
[INFO] Sensor JavaSquidSensor [java] (done) | time=1426ms
[INFO] Sensor SonarCSS Rules [cssfamily]
[INFO] No CSS, PHP, HTML or VueJS files are found in the project. CSS analysis is skipped.
[INFO] Sensor SonarCSS Rules [cssfamily] (done) | time=16ms
[INFO] Sensor JaCoCo XML Report Importer [jacoco]
[INFO] 'sonar.coverage.jacoco.xmlReportPaths' is not defined. Using default locations: target/site/jacoco/jacoco.xml,target/site/jacoco-it/jacoco.xml,build/reports/jacoco/test/jacocoTestReport.xml
[INFO] No report imported, no coverage information will be imported by JaCoCo XML Report Importer
[INFO] Sensor JaCoCo XML Report Importer [jacoco] (done) | time=32ms
[INFO] Sensor SurefireSensor [java]
[INFO] parsing [C:\Users\hp\workspace\finalLabExam\target\surefire-reports]
[INFO] Sensor SurefireSensor [java] (done) | time=16ms
[INFO] Sensor JavaXmlSensor [java]
[INFO] 1 source files to be analyzed
[INFO] Sensor JavaXmlSensor [java] (done) | time=135ms
[INFO] 1/1 source files have been analyzed
[INFO] Sensor HTML [web]
[INFO] Sensor HTML [web] (done) | time=7ms
[INFO] Sensor XML Sensor [xml]
[INFO] 1 source files to be analyzed
[INFO] Sensor XML Sensor [xml] (done) | time=100ms
[INFO] 1/1 source files have been analyzed
[INFO] ----- Run sensors on project
[INFO] Sensor Zero Coverage Sensor
[INFO] Sensor Zero Coverage Sensor (done) | time=81ms
[INFO] Sensor Java CPD Block Indexer
[INFO] Sensor Java CPD Block Indexer (done) | time=11ms
[INFO] SCM Publisher No SCM system was detected. You can use the 'sonar.scm.provider' property to explicitly specify it.
[INFO] CPD Executor 1 file had no CPD blocks
[INFO] CPD Executor Calculating CPD for 0 files
[INFO] CPD Executor CPD calculation finished (done) | time=0ms
[INFO] Analysis report generated in 64ms, dir size=82 KB
[INFO] Analysis report compressed in 28ms, zip size=13 KB
[INFO] Analysis report uploaded in 2457ms
[INFO] ANALYSIS SUCCESSFUL, you can browse http://localhost:9000/dashboard?id=lab_exam_finalX3AfinalLabExam
[INFO] More about the report processing at http://localhost:9000/api/ce/task?id=AXYsb4wXK9J-S2mwjke
[INFO] Analysis total time: 9.443 s
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 28.691 s
[INFO] Finished at: 2020-12-04T11:57:56+05:30
[INFO] -----

C:\Users\hp>cd eclipse-workspace\finalLabExam>
```