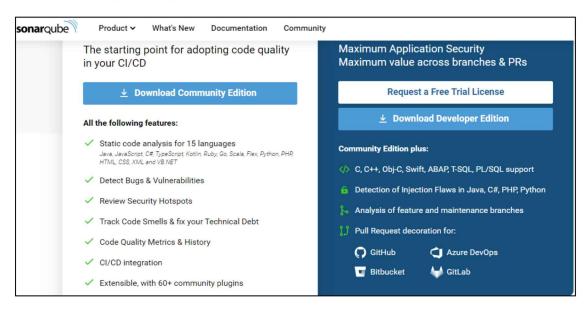
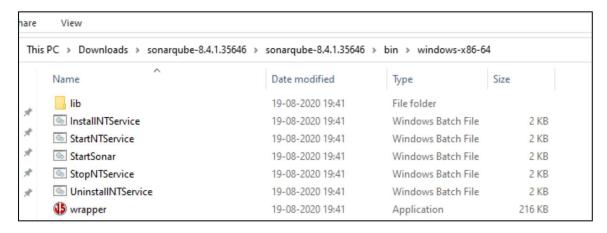
CICD EXPERIMENT – 4

Static code analysis using Sonarqube

1. Visit **sonarqube.org/download** and download sonarqube



2. Extract the zipped folder which is downloaded. In the extracted folder, go to bin, then to Windows-x86-64(if using windows as OS) and copy the path of the folder



3. Open command prompt and move to the copied location. Type the command "StartSonar.bat" to start sonarqube

4. Now open "localhost:9000" in a web browser and enter the credentials



- 5. Change the directory to the Maven project whose code quality is to be accessed and run the command "mvn clean install sonar:sonar Dsonar.host.url=http://localhost:9000 -Dsonar.analysis.mode=publish" in cmd
- 6. Some dependencies would be downloaded and a build successful message would appear

```
[INFO] 2 source files to be analyzed
[INFO] Load project repositories
[INFO] Load project repositories (done) | time=64ms
[INFO] Sensor JavaXmlSensor [java] (done) | time=207ms
[INFO] 2/2 source files have been analyzed
[INFO] Sensor HTML [web]
[INFO] Sensor HTML [web]
[INFO] Sensor HTML [web] (done) | time=51ms
[INFO] 2 source files to be analyzed
[INFO] 2/2 source files have been analyzed
[INFO] 2 source files have been analyzed
[INFO] Sensor XML Sensor [xml] (done) | time=94ms
[INFO] 2 source files have been analyzed
[INFO] 5 source files have been analyzed
[INFO] 6 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 6 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 7 sexecutor 7 file had no (PD blocks
[INFO] 7 po Executor Calculating (PD for 0 files
[INFO] 7 po Executor CD calculating (PD for 0 files
[INFO] 8 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 8 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 8 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 8 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 8 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 8 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 8 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 8 sensor Zero Coverage Sensor (done) | time=0ms
[INFO] 8 sensor Zero Coverage Sensor
[INFO] 8 sensor Zero
```

7. At http://localhost:9000/projects, you will find your maven project and vulnerabilities will be accessed

