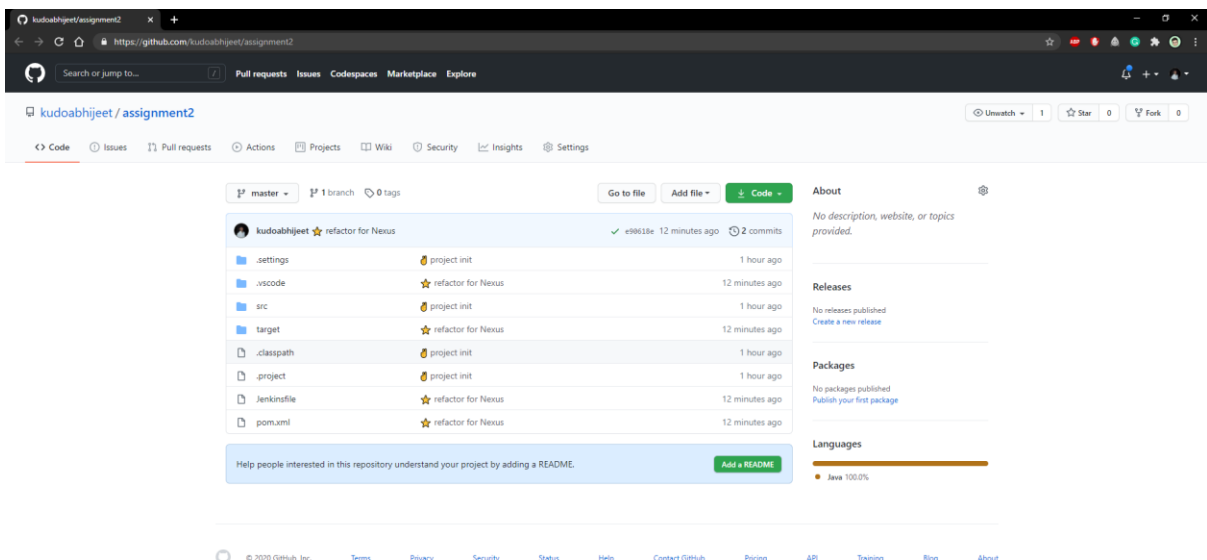
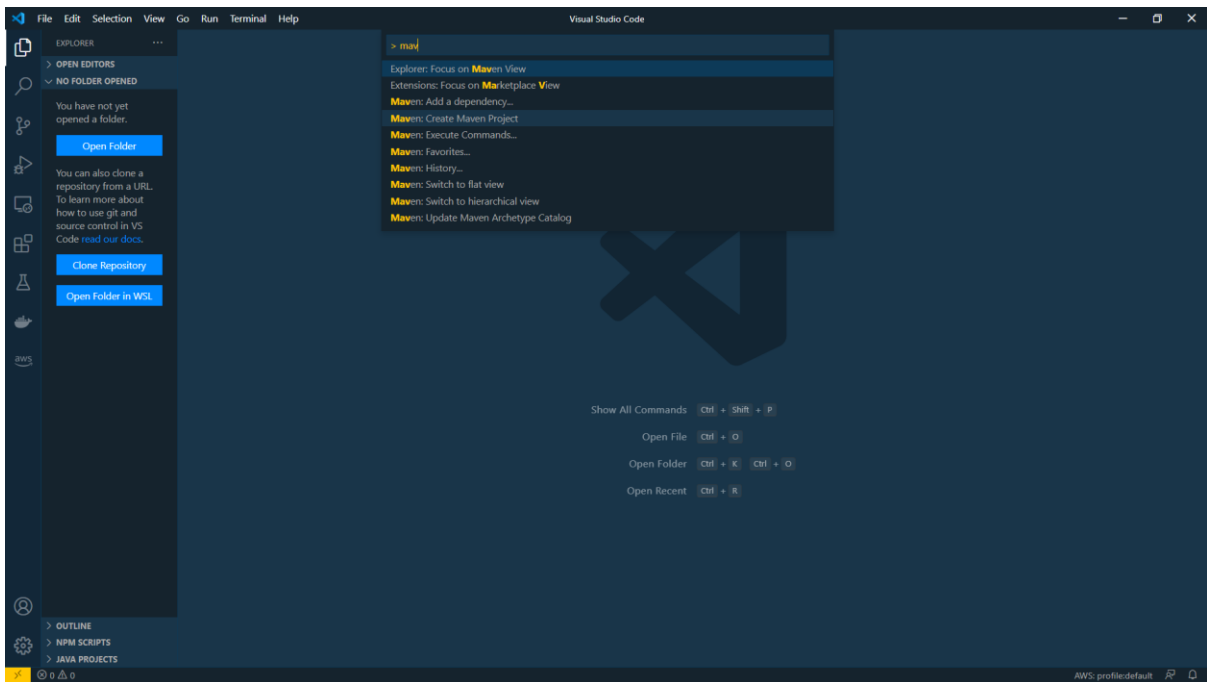


CICD ASSIGNMENT - 2

STEP 1:

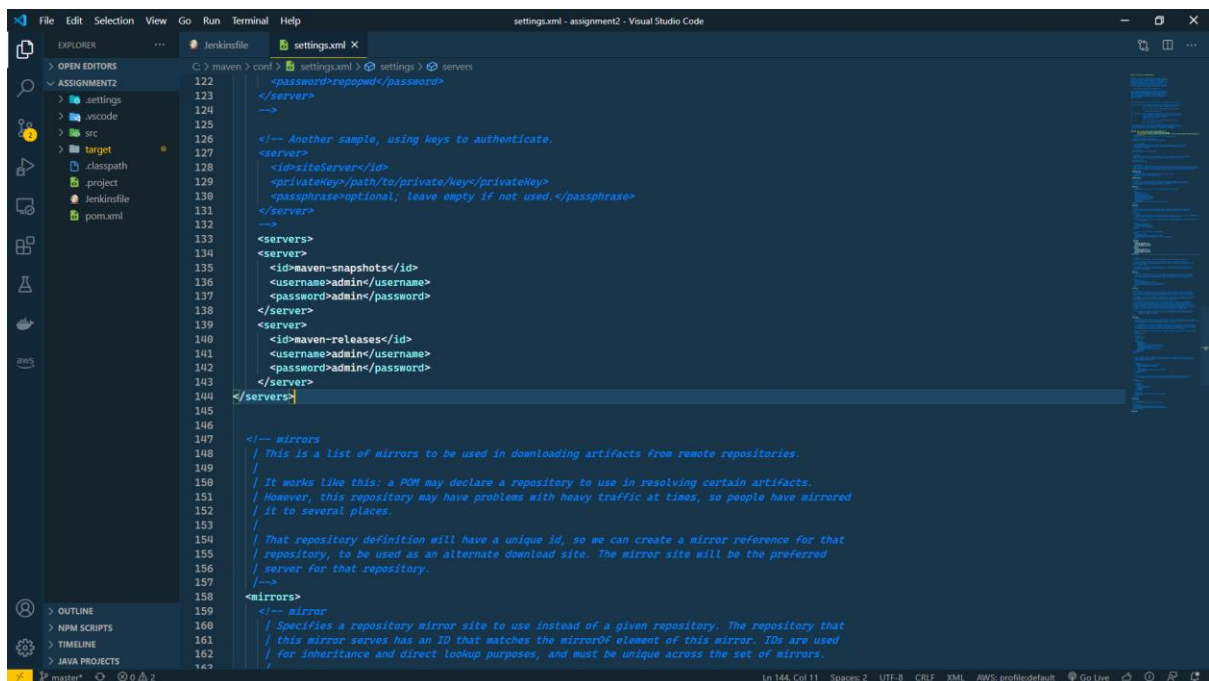
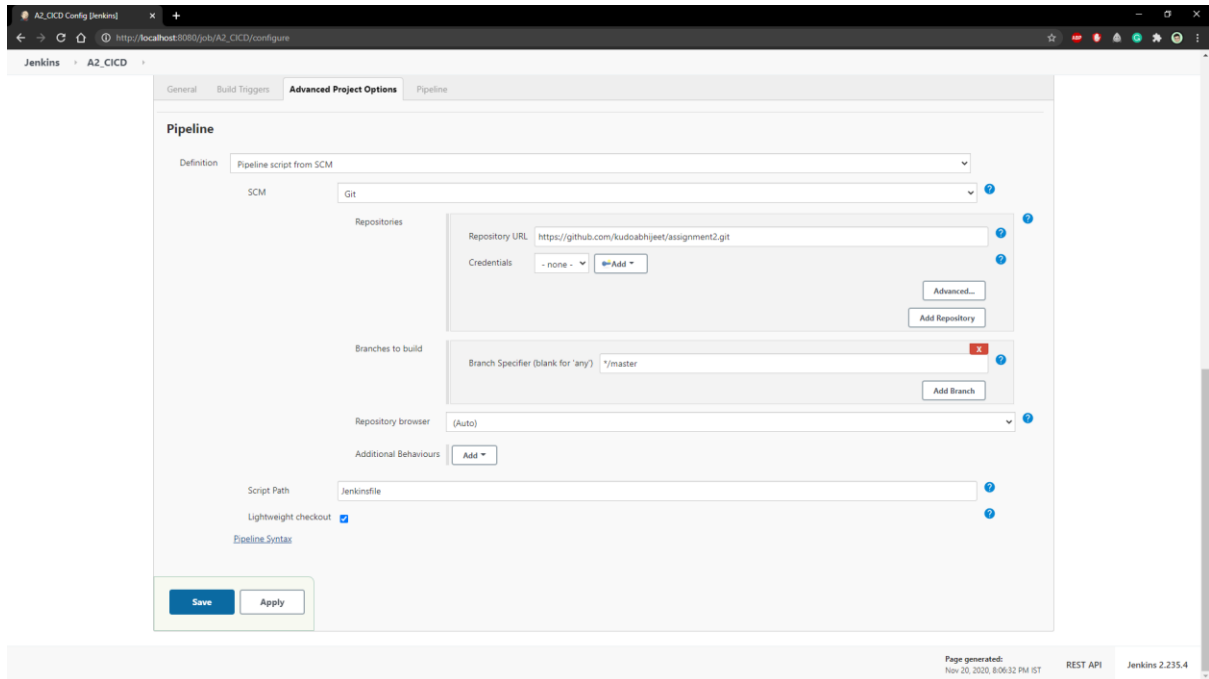
- i. Create a Maven Project
- ii. Push project to Github
- iii. Run a sample Maven Goal.

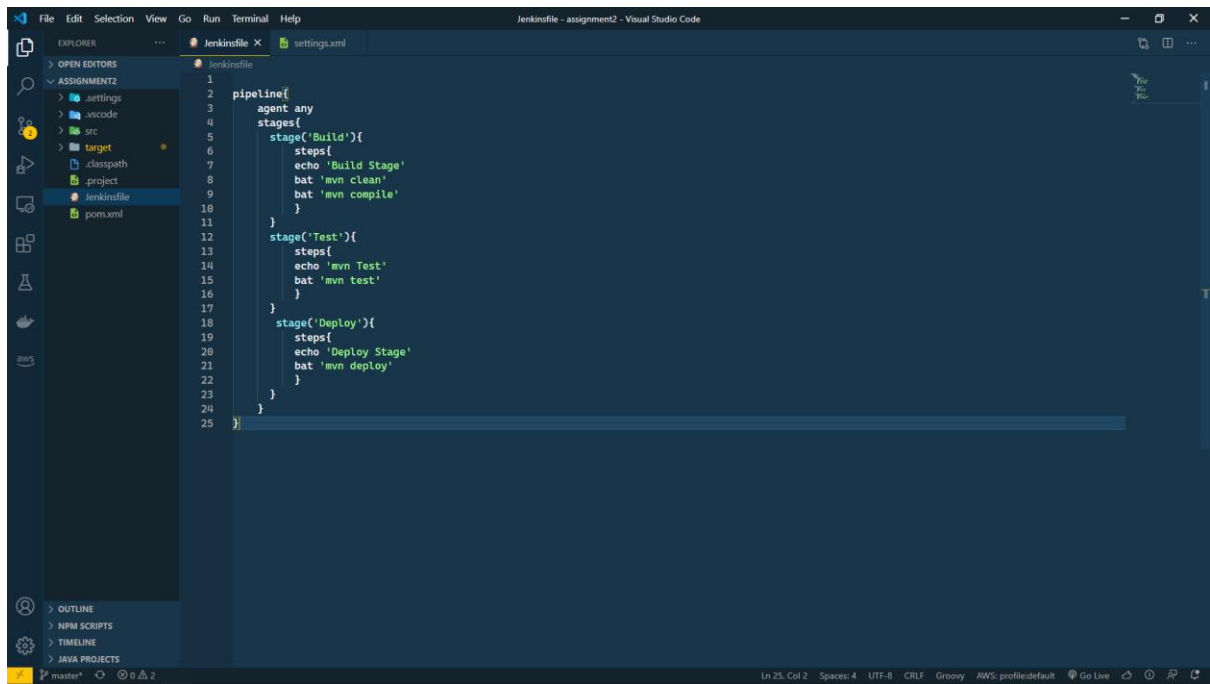


```
C:\Windows\system32\cmd.exe
D:\assignment2>mvn compile
[INFO] Scanning for projects...
[INFO] -----< devops:assignment2 >-----
[INFO] Building assignment2 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ assignment2 ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory D:\assignment2\src\main\resources
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ assignment2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO] BUILD SUCCESS
[INFO] Total time: 1.256 s
[INFO] Finished at: 2020-11-20T20:05:24+05:30
[INFO] -----
D:\assignment2>mvn test
[INFO] Scanning for projects...
[INFO] -----< devops:assignment2 >-----
[INFO] Building assignment2 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ assignment2 ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory D:\assignment2\src\main\resources
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ assignment2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:3.0.2:testResources (default-testResources) @ assignment2 ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory D:\assignment2\src\test\resources
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ assignment2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ assignment2 ---
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running devops.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.063 s - in devops.AppTest
[INFO] Results:
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO] BUILD SUCCESS
[INFO] Total time: 3.104 s
[INFO] Finished at: 2020-11-20T20:05:36+05:30
[INFO] -----
D:\assignment2>
```

STEP 2:

- i. Create Jenkins Pipeline project
- ii. Configure Nexus credentials
- iii. Create Jenkinsfile





The image shows a screenshot of the Visual Studio Code editor interface. The title bar at the top reads "Jenkinsfile - assignment2 - Visual Studio Code". The Explorer sidebar on the left shows a file tree with the following structure:

- EXPLORER
 - OPEN EDITORS
 - Jenkinsfile X
 - settings.xml
 - ASSIGNMENT2
 - .settings
 - .vscode
 - src
 - target
 - classpath
 - project
 - Jenkinsfile
 - pom.xml
 - OUTLINE
 - NPM SCRIPTS
 - TIMELINE
 - JAVA PROJECTS

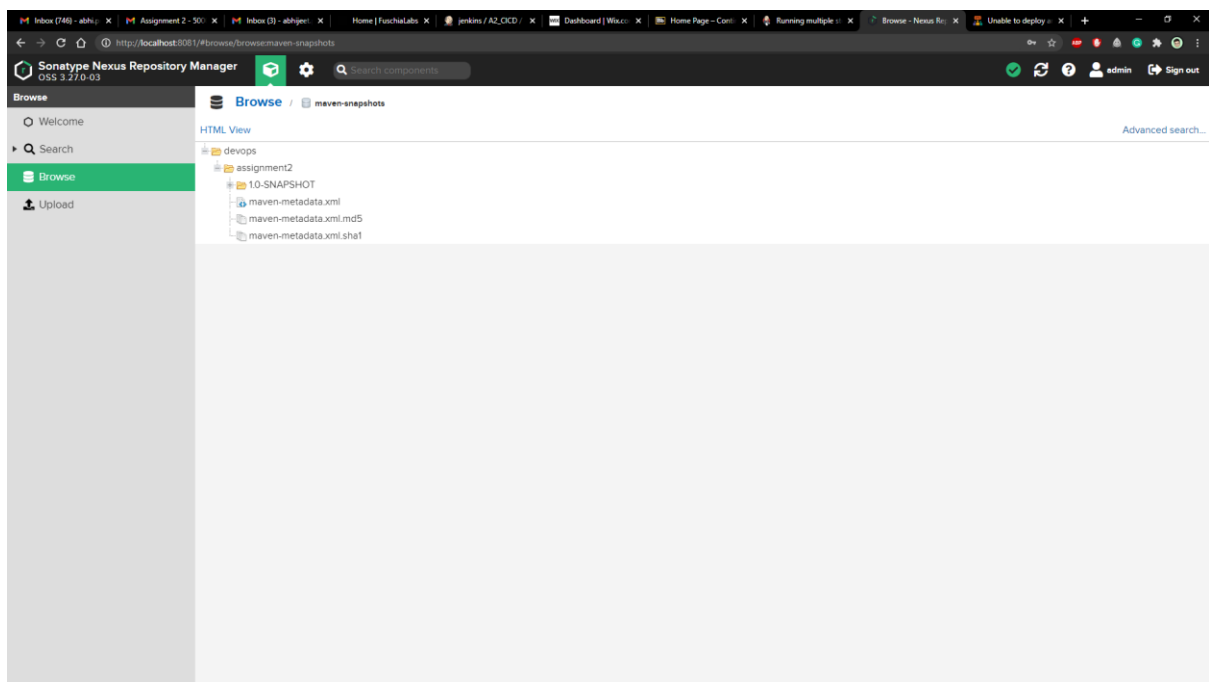
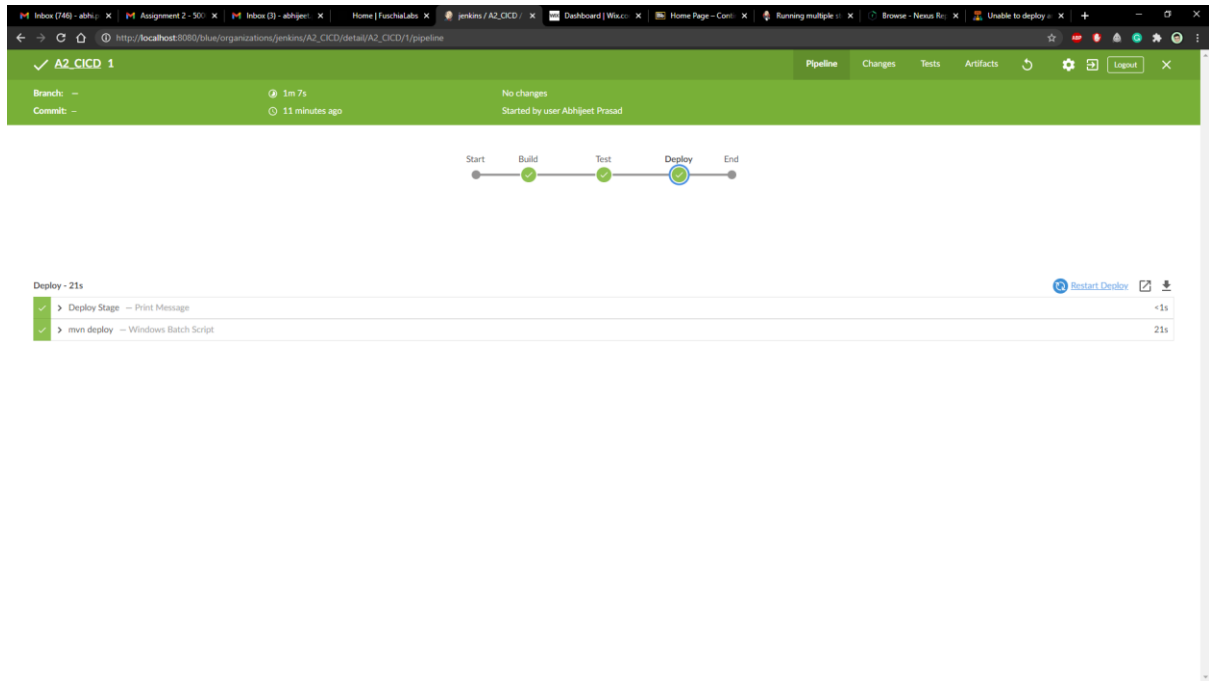
The main editor area displays the content of the "Jenkinsfile" file, which is a Jenkins pipeline script. The script is as follows:

```
1 pipeline{
2   agent any
3   stages{
4     stage('Build'){
5       steps{
6         echo 'Build Stage'
7         bat 'mvn clean'
8         bat 'mvn compile'
9       }
10    }
11  }
12  stage('Test'){
13    steps{
14      echo 'mvn Test'
15      bat 'mvn test'
16    }
17  }
18  stage('Deploy'){
19    steps{
20      echo 'Deploy Stage'
21      bat 'mvn deploy'
22    }
23  }
24 }
25 }
```

The status bar at the bottom indicates the current cursor position is "Ln 25, Col 2", with "Spaces: 4", "UTF-8", "CRLF", and "Groovy" file encoding. It also shows "AWS: profile:default" and "Go Live" buttons.

STEP 3:

- i. Push Jenkinsfile to Github Repo.
- ii. Configure Jenkins project to link Repo.
- iii. Invoke build from Jenkins



```
Progress (4): 195/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 197/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 200/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 203/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 206/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 208/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 211/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 214/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 217/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 219/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 222/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 225/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 228/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 230/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 233/239 kB | 121 kB | 233 kB | 155 kB
Progress (4): 236/239 kB | 121 kB | 233 kB | 155 kB
Downloaded from central: https://repo.maven.apache.org/maven2/junit/junit/3.8.1/junit-3.8.1.jar (121 kB at 148 kB/s)
Progress (3): 239/239 kB | 233 kB | 155 kB
Progress (3): 239 kB | 233 kB | 155 kB
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.jar (155 kB at 188 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/commons-codec/commons-codec/1.6/commons-codec-1.6.jar (233 kB at 269 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org.codehaus.plexus/plexus-utils/3.0.15/plexus-utils-3.0.15.jar (239 kB at 247 kB/s)
[INFO] Installing C:\Windows\System32\config\systemprofile\AppData\Local\Jenkins-Jenkins\workspace\A2_CICD\target\assignment2-1.0-SNAPSHOT.jar to C:\Windows\System32\config\systemprofile\.m2\repository\devops\assignment2\1.0-SNAPSHOT\assignment2-1.0-SNAPSHOT.jar
[INFO] Installing C:\Windows\System32\config\systemprofile\AppData\Local\Jenkins-Jenkins\workspace\A2_CICD\pom.xml to C:\Windows\System32\config\systemprofile\.m2\repository\devops\assignment2\1.0-SNAPSHOT\assignment2-1.0-SNAPSHOT.pom
[INFO] --- maven-deploy-plugin:2.8.2:deploy (default-deploy) @ assignment2 ---
Downloaded from maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/1.0-SNAPSHOT/maven-metadata.xml
Progress (1): 761 B
Downloaded from maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/1.0-SNAPSHOT/maven-metadata.xml (761 B at 19 kB/s)
Uploading to maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/1.0-SNAPSHOT/assignment2-1.0-20201120.142729-2.jar
Progress (1): 2.6 kB
Uploading to maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/1.0-SNAPSHOT/assignment2-1.0-20201120.142729-2.jar (2.6 kB at 13 kB/s)
Uploading to maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/1.0-SNAPSHOT/assignment2-1.0-20201120.142729-2.pom
Progress (1): 3.1 kB
Uploading to maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/1.0-SNAPSHOT/assignment2-1.0-20201120.142729-2.pom (3.1 kB at 16 kB/s)
Downloaded from maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/maven-metadata.xml
Progress (1): 275 B
Downloaded from maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/maven-metadata.xml (275 B at 4.9 kB/s)
Uploading to maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/1.0-SNAPSHOT/maven-metadata.xml
Progress (1): 761 B
Uploading to maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/maven-metadata.xml (761 B at 3.5 kB/s)
Uploading to maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/maven-metadata.xml
Progress (1): 275 B
Uploading to maven-snapshots: http://localhost:8081/repository/maven-snapshots/devops/assignment2/maven-metadata.xml (275 B at 1.8 kB/s)
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 19.346 s
[INFO] Finished at: 2020-11-20T19:57:29+05:30
[INFO] -----
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```