CI-CD ASSIGNMENT 2

SUMYAK JAIN, 500068360, R171218106

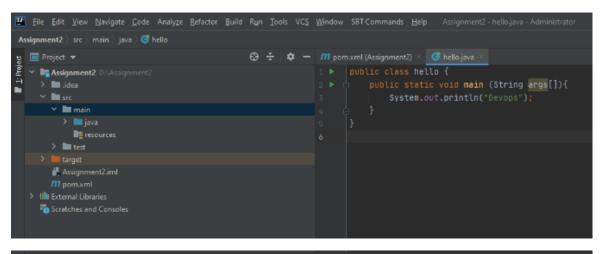
AIM: Perform following steps using Git, Jenkins, Maven and Nexus and create a pdf file including step by step screenshots.

Step 1: Create a Maven project using Eclipse

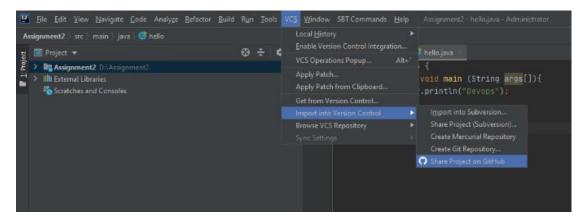
Step2: Push the same running project on GitHub using Eclipse or IDE.

Step 3: Create a Jenkins Pipeline to generate build and push the generated build on Nexus Server using Jenkinsfile in GitHub.

Step 1) Create a Maven project using Eclipse or IDE



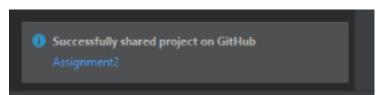
Step2) Push the same running project on GitHub using Eclipse or IDE



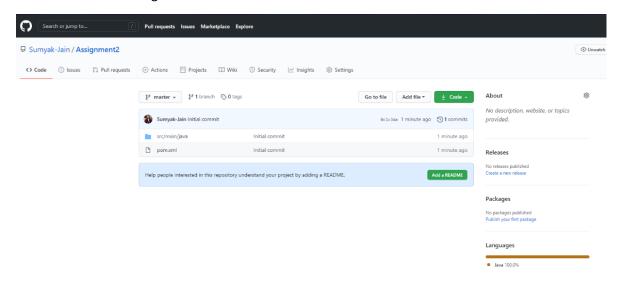
Select files which you want to push and commit



After successful push message will occur



You can now check on github!



Step 3) Create a Jenkins Pipeline to generate build and push the generated build on Nexus Server using Jenkinsfile in GitHub.

3.1) open Jenkins

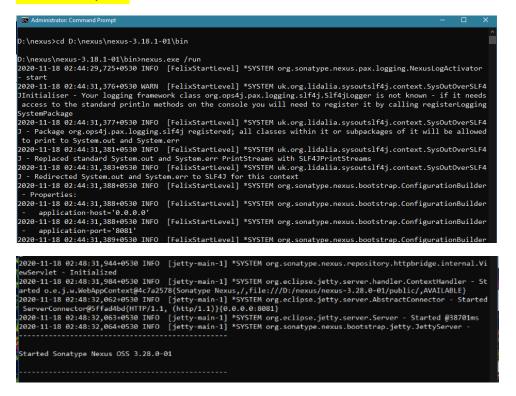
Using the command at the location of your Jenkins folder

java -jar jenkins.war - -httpPort=8383

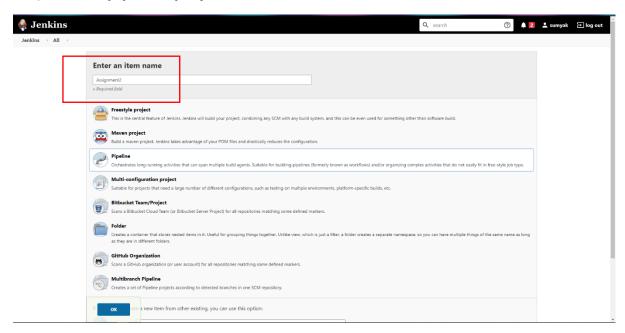
3.2) open nexus server

Using the command at the location of your nexus folder bin

nexus.exe /run



3.3) make a pipeline project on Jenkins

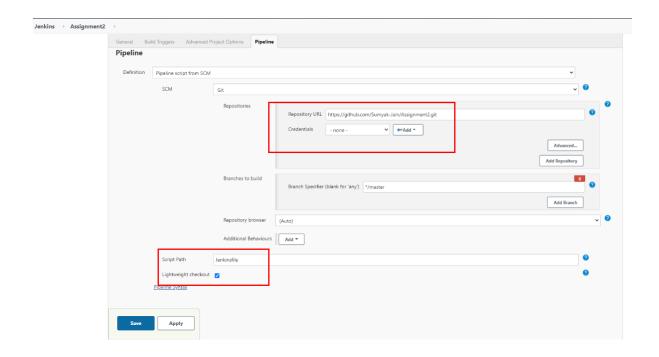


3.4) write a Jenkins pipeline script to do all your given task and save it as Jenkinsfile on your same github repository

```
pipeline
{
             agent any
             stages
               {
               stage('Clean') {
                 steps {
                   bat 'mvn clean'
               }
               stage('Install') {
                 steps {
                   bat 'mvn install'
                 }
               }
               stage('Deploy') {
                 steps {
                   bat 'mvn deploy'
                 }
               }
             }
           }
```

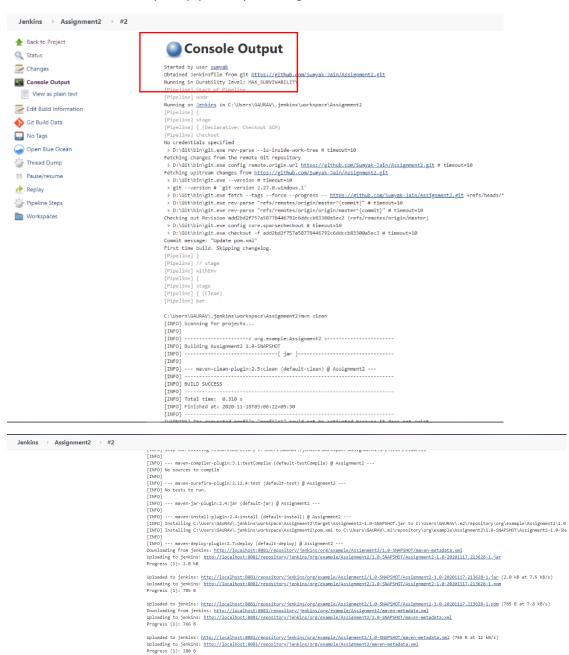


3.5) give your Github repository URL and select Jenkinsfile for script and click SAVE



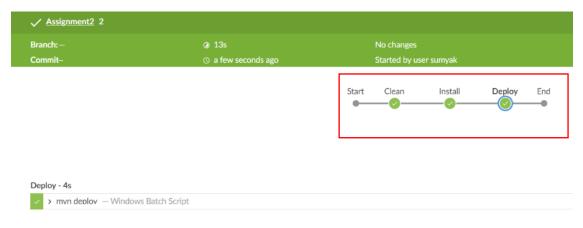
3.6) BUILD your pipeline

On a successful run of your pipeline you will get this



[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }

you can see the pipeline view for your pipeline also



3.7) you can now check nexus server for your build artifact

