CICD Lab Exam

1. Firstly create a maven project and upload it on Git Hub.
2. The file on git hub should contain Jenkins file and pom.xml file.
3. You need to edit Jenkins file, with the code shown below:
   Jenkinsfile:

```
pipeline{
                        agent any
                        stages{
                          stage('Start'){
                              steps{
                              echo 'Start the Pipeline'
                              }
                          }


                    stage('Clean phase Starts'){
                     steps{
                              echo 'Start the Clean phase'
                              }
                          }
                    stage('Clean'){
                     steps{
                          bat 'mvn clean'
                              }
                          }


                    stage('Install phase Starts'){
                     steps{
                              echo 'Start the Instll phase'
                              }
                          }
                    stage('Install'){
                     steps{
                          bat 'mvn install'
                              }
                          }


                    stage('Test phase Starts'){
                     steps{
                              echo 'Start the Test phase'
```

```
                }
            }
        stage('Test'){
            steps{
                bat 'mvn test'
            }
        }
```

```
    }
}
```

mackiie Update Jenkinsfile   Latest commit 569a4a9 4 minutes ago   🕘 History

🞋 **1 contributor**

49 lines (39 sloc) | 1.08 KB   Raw   Blame   🖥 ✎ 🗑

```
 1   pipeline{
 2              agent any
 3              stages{
 4                 stage('Start'){
 5                    steps{
 6                    echo 'Start the Pipeline'
 7                    }
 8                 }
 9
10
11           stage('Clean phase Starts'){
12           steps{
13                    echo 'Start the Clean phase'
14                    }
15                 }
16       stage('Clean'){
17       steps{
18           bat 'mvn clean'
19                    }
20                 }
21
22
23           stage('Install phase Starts'){
24           steps{
25                    echo 'Start the Instll phase'
26                    }
27                 }
28       stage('Install'){
29       steps{
30           bat 'mvn install'
31                    }
32                 }
33
34
```
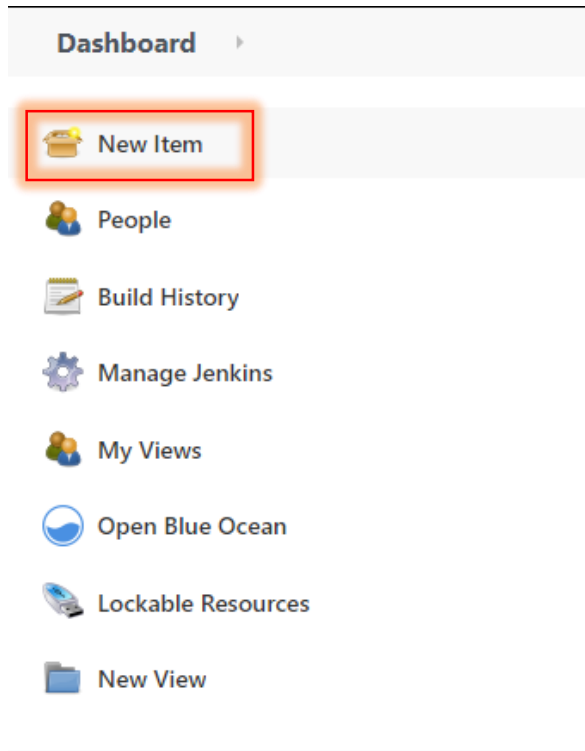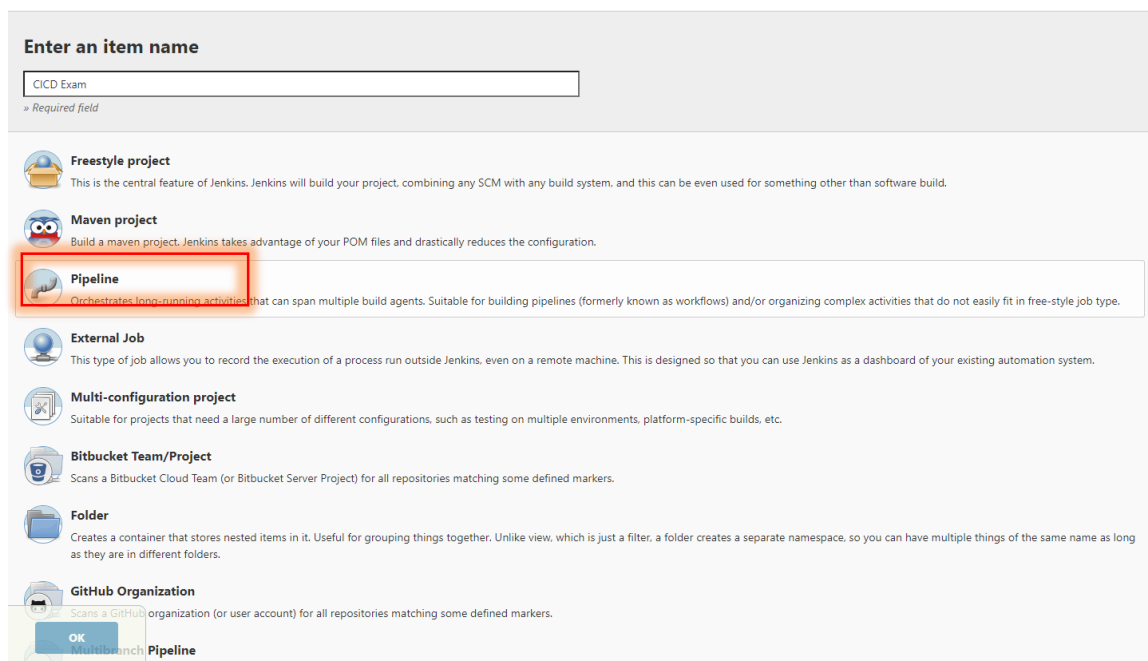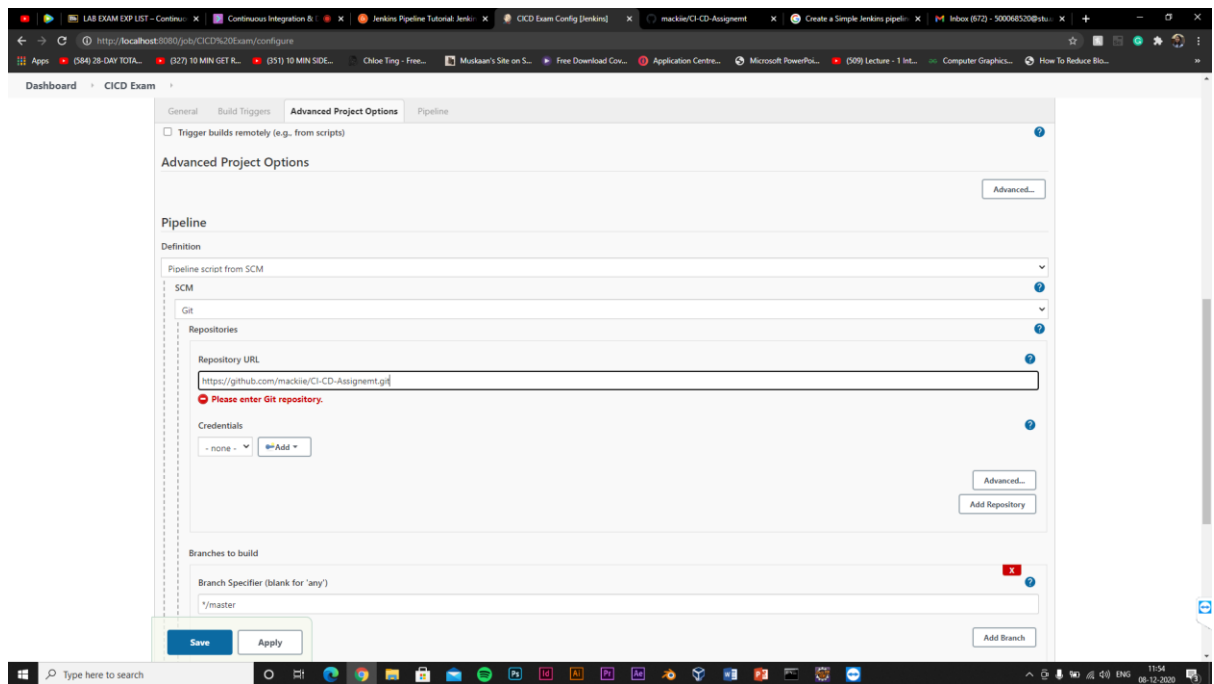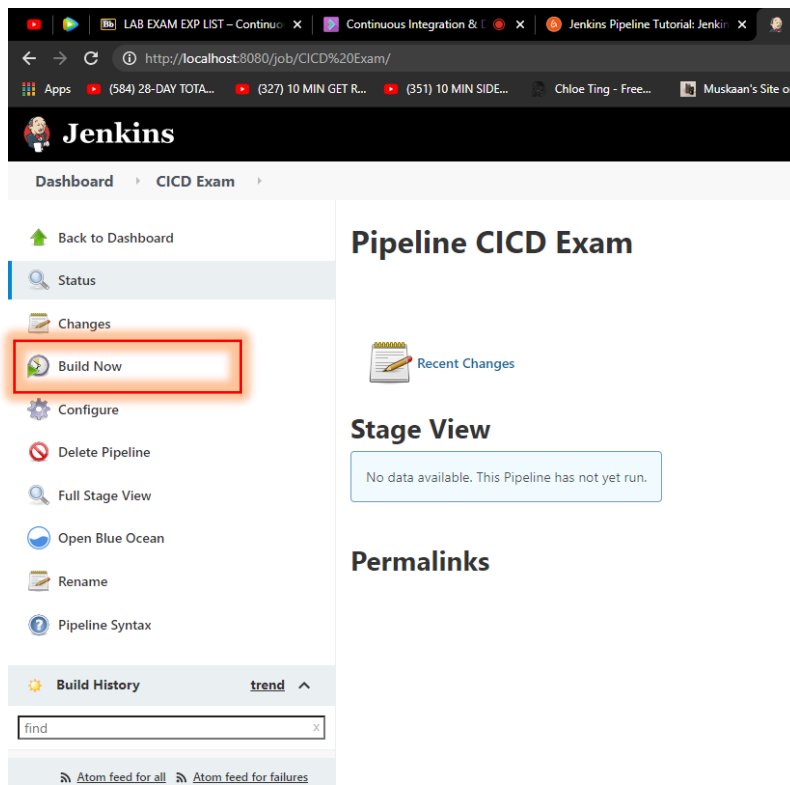
4. Now click on new item

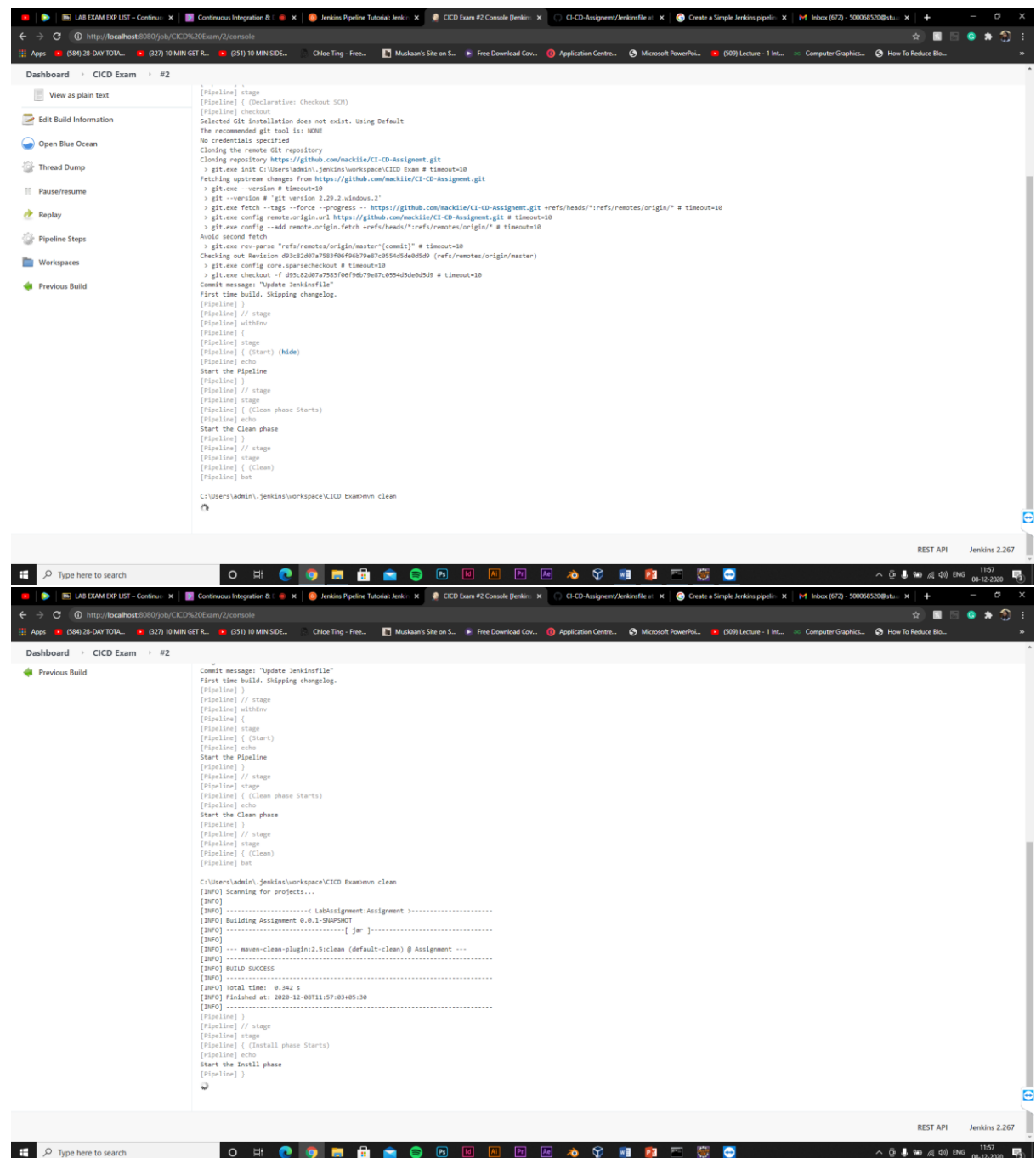

5. Enter the Item Name and click on Pipeline.

6. Now put the link of the github repository where you have Jenkinsfile. And then click on Save and Apply.

7. Now you need to build this.

8. Now you will see the pipleline being build. And finally you will see BUILD SUCCESS.

```
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\admin\.jenkins\workspace\CICD Exam\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ Assignment ---
[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\admin\.jenkins\workspace\CICD Exam\target\classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Assignment ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\admin\.jenkins\workspace\CICD Exam\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ Assignment ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Assignment ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ Assignment ---
[INFO] Building jar: C:\Users\admin\.jenkins\workspace\CICD Exam\target\Assignment-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ Assignment ---
[INFO] Installing C:\Users\admin\.jenkins\workspace\CICD Exam\target\Assignment-0.0.1-SNAPSHOT.jar to C:\Users\admin\.m2\repository\LabAssignment\Assignment\0.0.1-SNAPSHOT\Assignment-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\admin\.jenkins\workspace\CICD Exam\pom.xml to C:\Users\admin\.m2\repository\LabAssignment\Assignment\0.0.1-SNAPSHOT\Assignment-0.0.1-SNAPSHOT.pom
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  3.709 s
[INFO] Finished at: 2020-12-08T11:57:09+05:30
[INFO] ------------------------------------------------------------------------
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test phase Starts)
[Pipeline] echo
Start the Test phase
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] bat

C:\Users\admin\.jenkins\workspace\CICD Exam>mvn test
```

```
[Pipeline] echo
Start the Test phase
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] bat

C:\Users\admin\.jenkins\workspace\CICD Exam>mvn test
[INFO] Scanning for projects...
[INFO]
[INFO] ----------------------< LabAssignment:Assignment >----------------------
[INFO] Building Assignment 0.0.1-SNAPSHOT
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Assignment ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\admin\.jenkins\workspace\CICD Exam\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ Assignment ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Assignment ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\admin\.jenkins\workspace\CICD Exam\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ Assignment ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Assignment ---
[INFO] No tests to run.
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  1.098 s
[INFO] Finished at: 2020-12-08T11:57:13+05:30
[INFO] ------------------------------------------------------------------------
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```