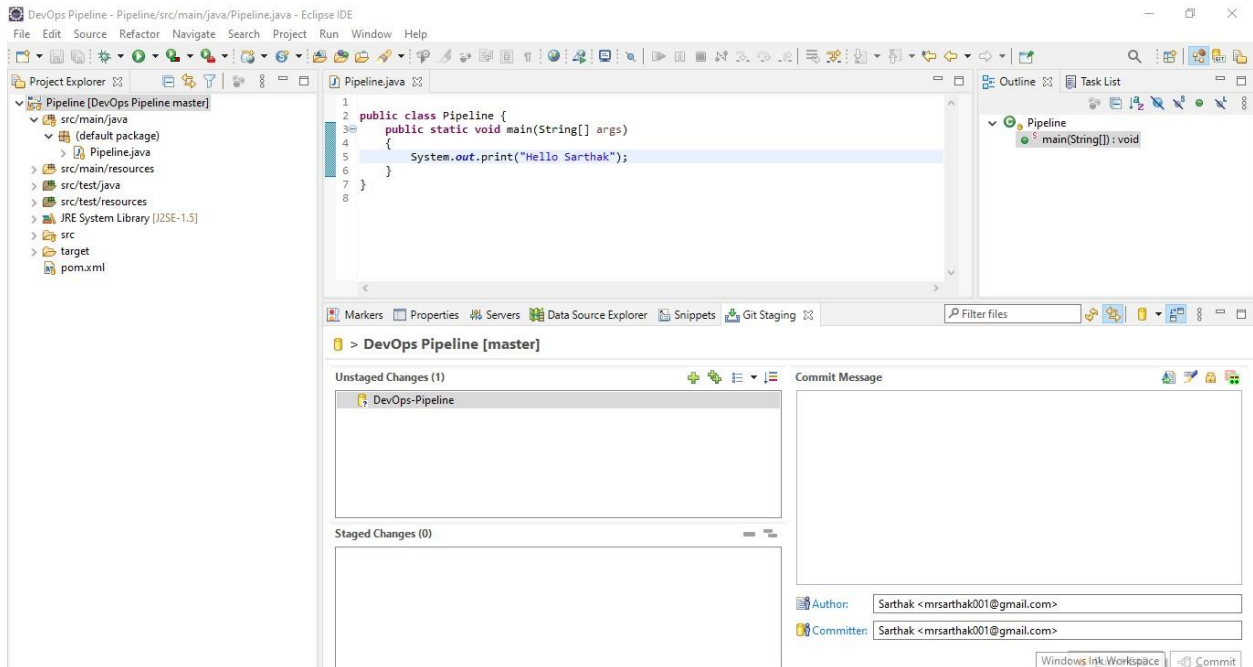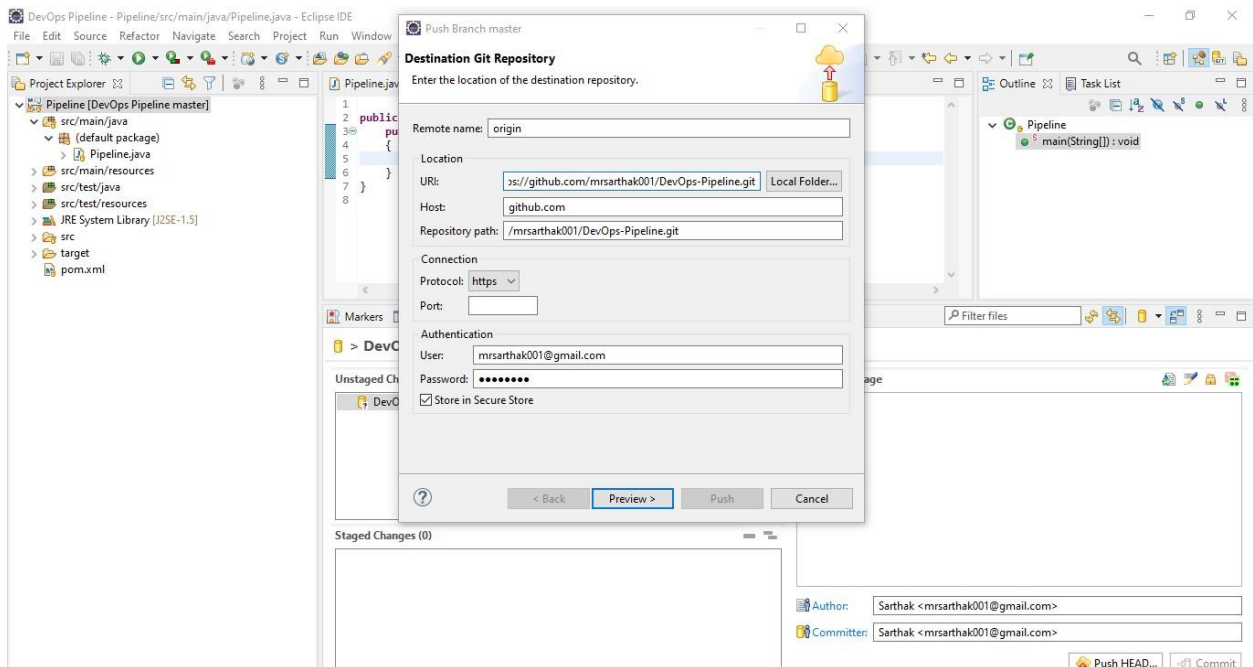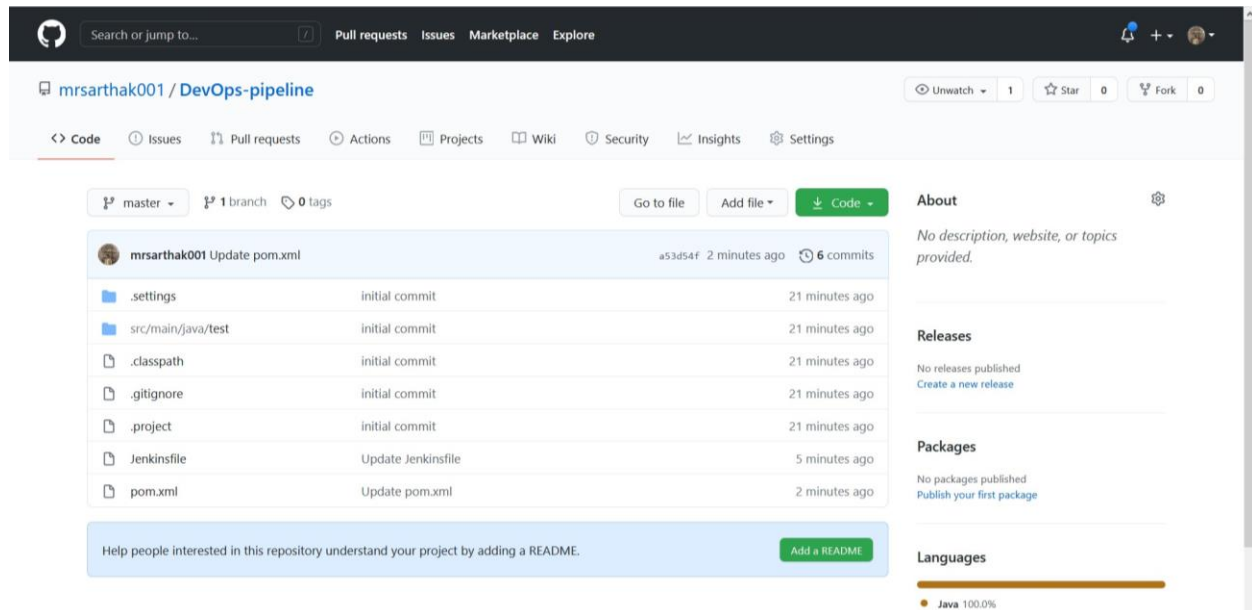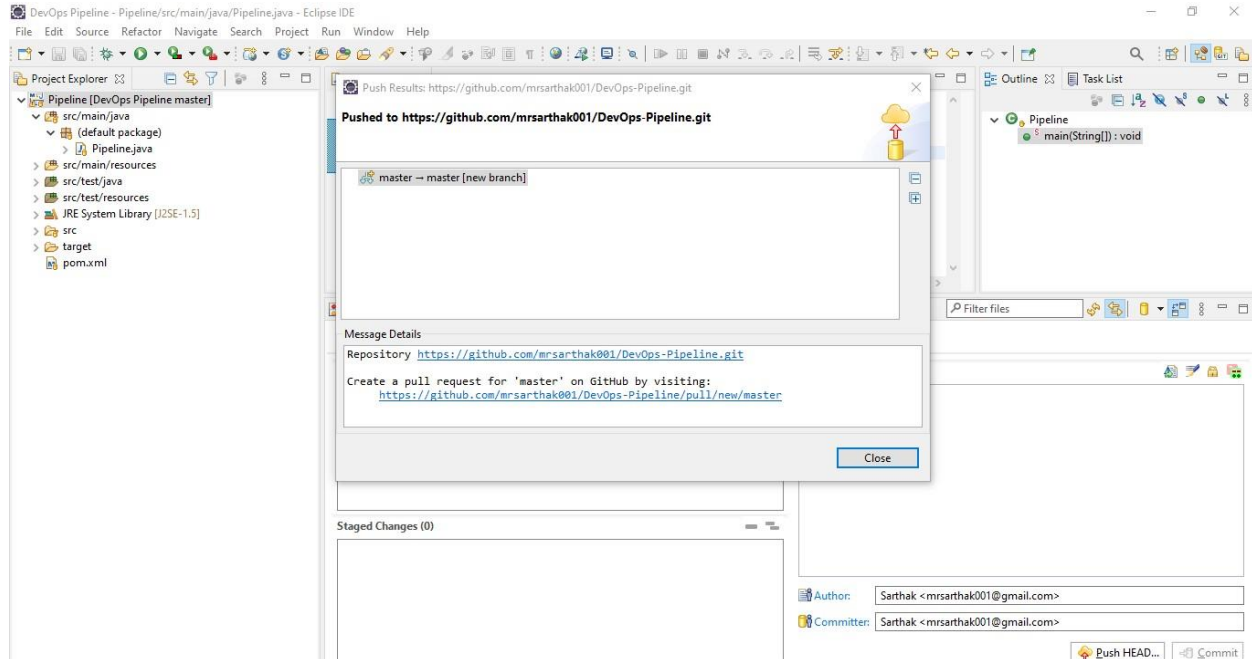# ASSIGNMENT 2:- Creating a DevOps Pipeline

1) First of all we need to create an Eclipse project.

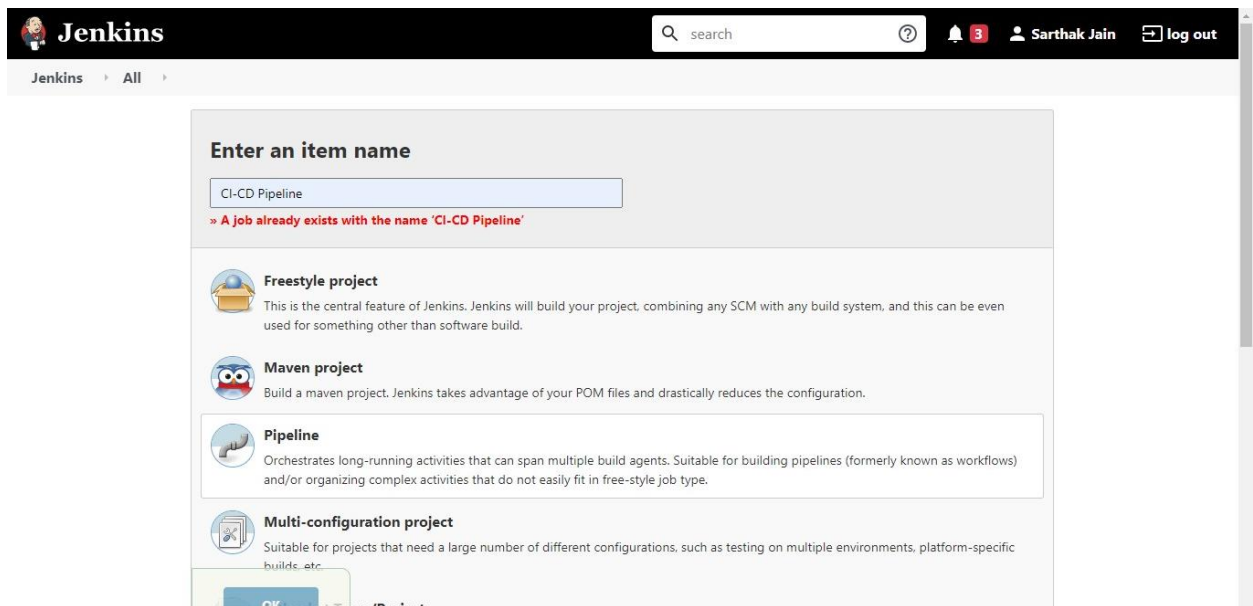2) Use the Eclipse feature to commit the changes.

3) Further, we push the project to GitHub using the Eclipse IDE feature.

4) Add a JenkinsFile to create a Jenkins pipeline.


```
1    pipeline{
2        agent any
3        stages{
4            stage('Clean'){
5                steps{
6                    echo "Clean Stage"
7                    bat "mvn clean"
8                }
9            }
10           stage('Test'){
11               steps{
12                   echo "Test Stage"
13                   bat "mvn test"
14               }
15           }
16
17           stage('Package'){
18               steps{
19                   echo "Package Stage"
20                   bat "mvn package"
21               }
22           }
23           stage('Deploy'){
24               steps{
25                   echo "Deploy Stage"
26                   bat "mvn deploy"
27               }
28           }
29       }
```

5) Create a Jenkins pipeline using the Jenkins WebUI.

6) Specify the GitHub repository in the pipeline and specify the path for JenkinsFile.

7) Specify the Nexus repository in the pom.xml of the project.

8) Use the Poll SCM feature of Jenkins to automate the build

9) The pipeline will be built successfully.

10) The built project will be visible in Nexus repository.