



UPES

UNIVERSITY WITH A PURPOSE

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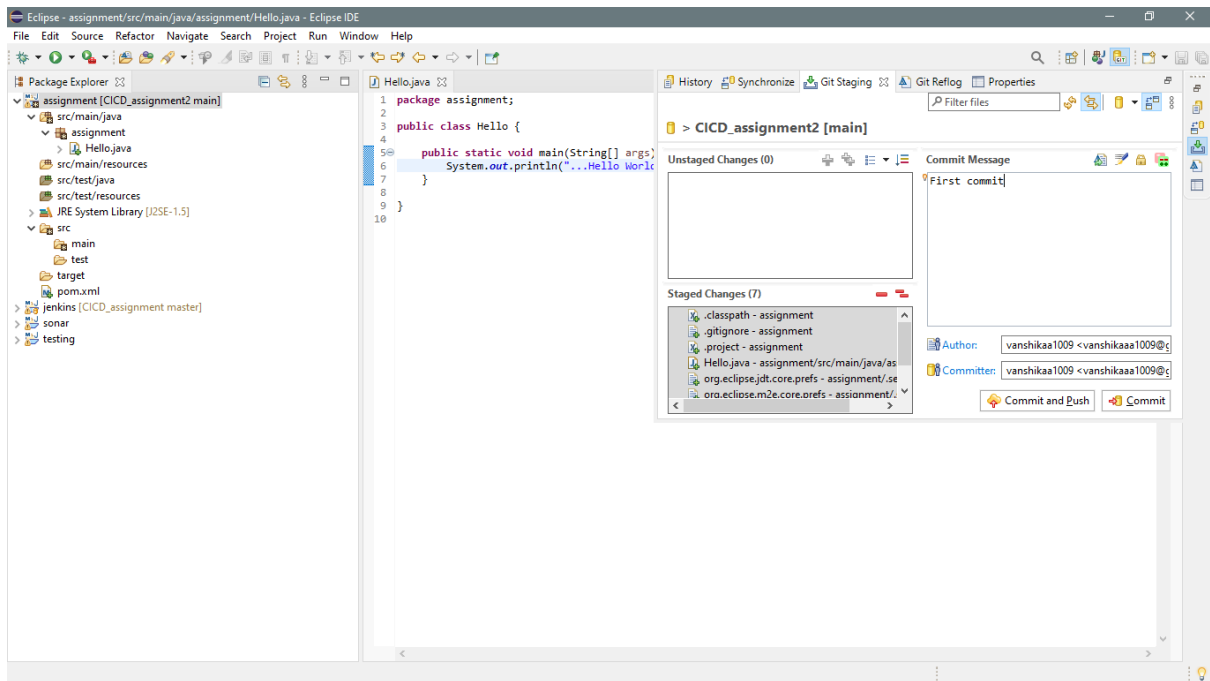
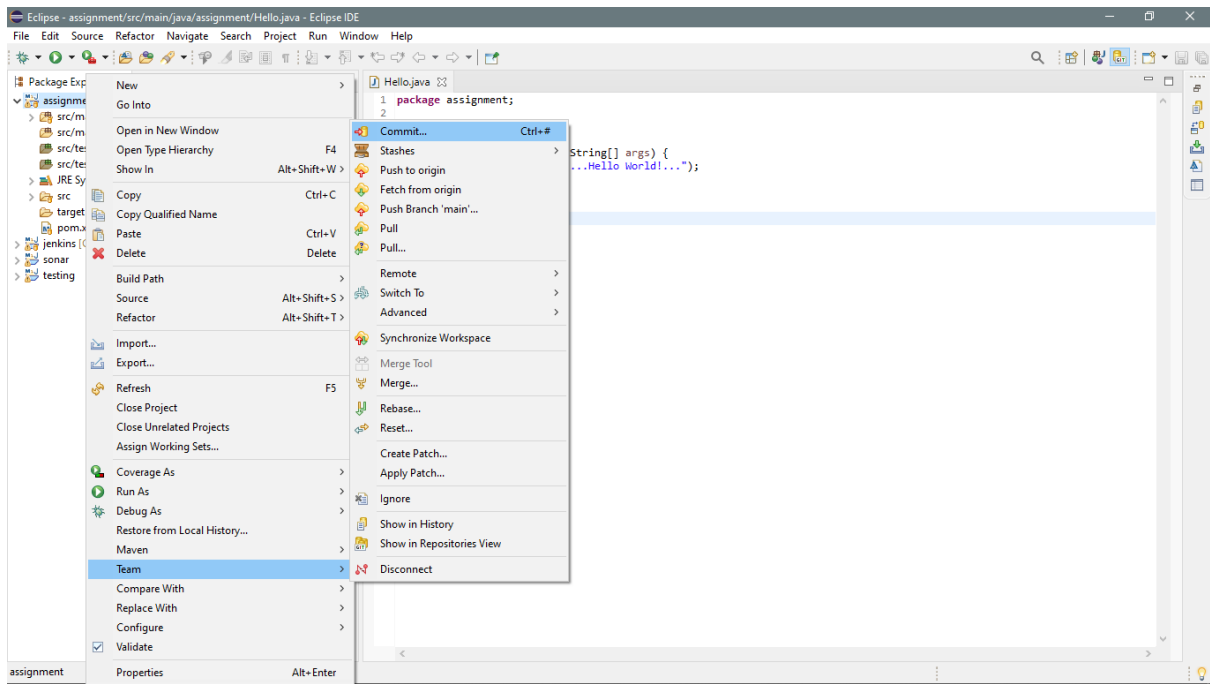
CICD ASSIGNMENT2

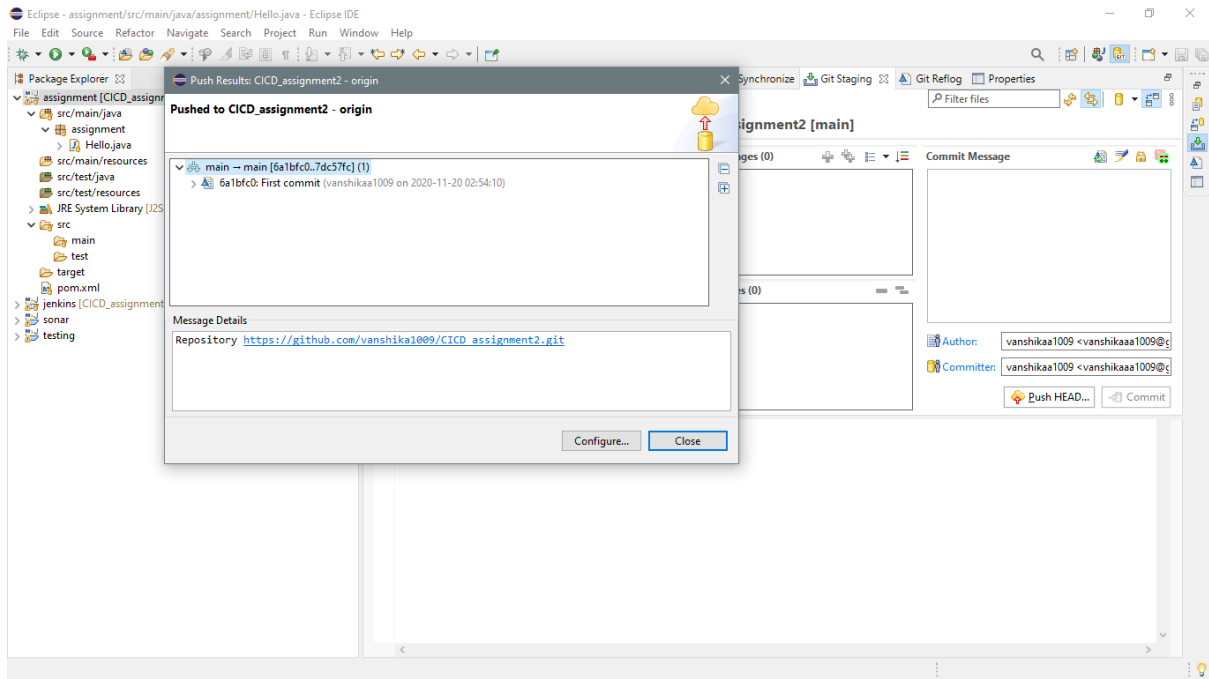
Step1: Create a repository on github.

Step2: Clone this repo on eclipse by going to top-right corner to the perspective button and register your github account and clone the particular repository by adding its url.

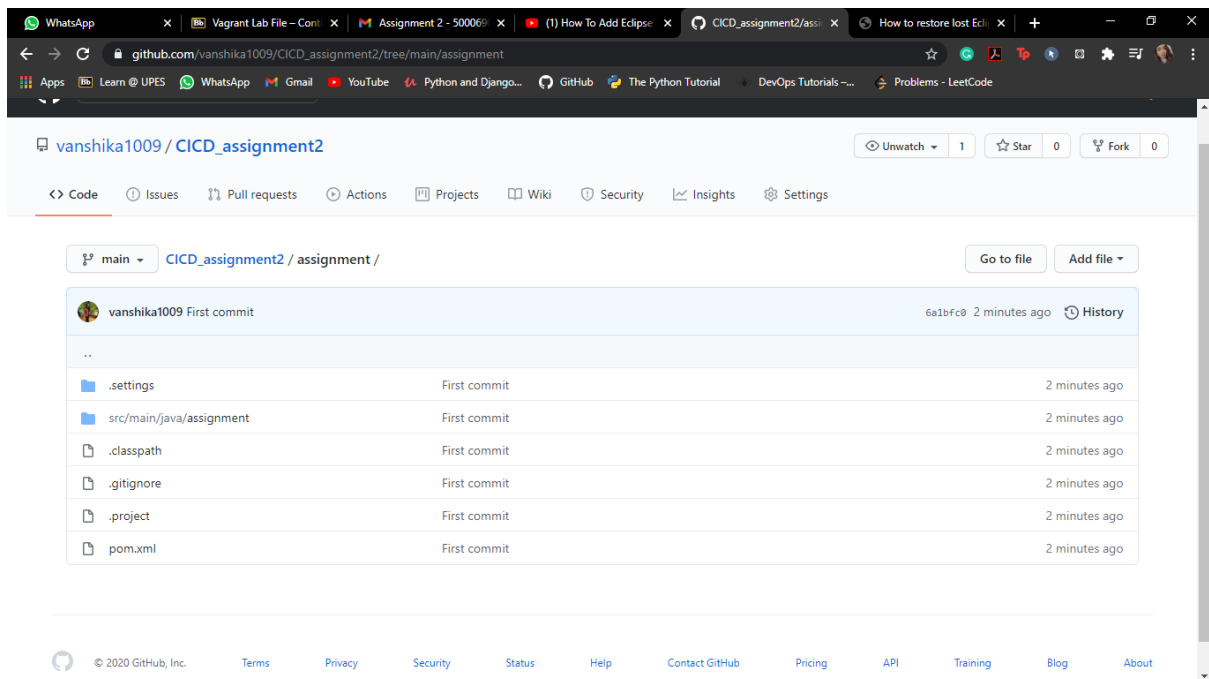
Step3: Make the necessary changes by making a maven project. Create a class.

Step4: Go to project and right click on it. Go to Team>>Commit as shown in the picture.





Step5: Reload your github to see the changes.



Step6: open Jenkins

Using the command at the location of your Jenkins

folder `java -jar jenkins.war -httpPort=8383`

```
C:\WINDOWS\system32\cmd.exe - java -jar jenkins.war --httpPort=8383
Microsoft Windows [Version 10.0.19041.630]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Dell>cd C:\

C:\>cd C:\Program Files (x86)\Jenkins

C:\Program Files (x86)\Jenkins>cd C:\Program Files (x86)\Jenkins

C:\Program Files (x86)\Jenkins>java -jar jenkins.war --httpPort=8383
Running from: C:\Program Files (x86)\Jenkins\jenkins.war
webroot: $user.home/.jenkins
2020-11-20 15:33:36.361+0000 [id=1] INFO org.eclipse.jetty.util.log.Log#initialized: Logging initialized @1985ms
to org.eclipse.jetty.util.log.JavaUtilLog
2020-11-20 15:33:36.531+0000 [id=1] INFO winstone.Logger#logInternal: Beginning extraction from war file
2020-11-20 15:33:36.594+0000 [id=1] WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
2020-11-20 15:33:36.853+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-9.4.30.v20200611; built:
2020-06-11T12:34:51.929Z; git: 271836e4c1f4612f12b7bb13ef5a92a927634b8d; jvm 11.0.8+10-lts
2020-11-20 15:33:39.888+0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /,
did not find org.eclipse.jetty.jsp.JettyJspServlet
2020-11-20 15:33:40.074+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: DefaultSessionIdManager worke
rName=node0
2020-11-20 15:33:40.076+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: No SessionScavenger set, usin
g defaults
2020-11-20 15:33:40.093+0000 [id=1] INFO o.e.j.server.session.HouseKeeper#startScavenging: node0 Scavenging every
660000ms
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.thoughtworks.xstream.core.util.Fields (file:/C:/Users/Dell/.jenkins/war/WEB-INF/lib/xstream-1.4.7-jenkins-1.jar) to field java.util.TreeMap.comparator
WARNING: Please consider reporting this to the maintainers of com.thoughtworks.xstream.core.util.Fields
```

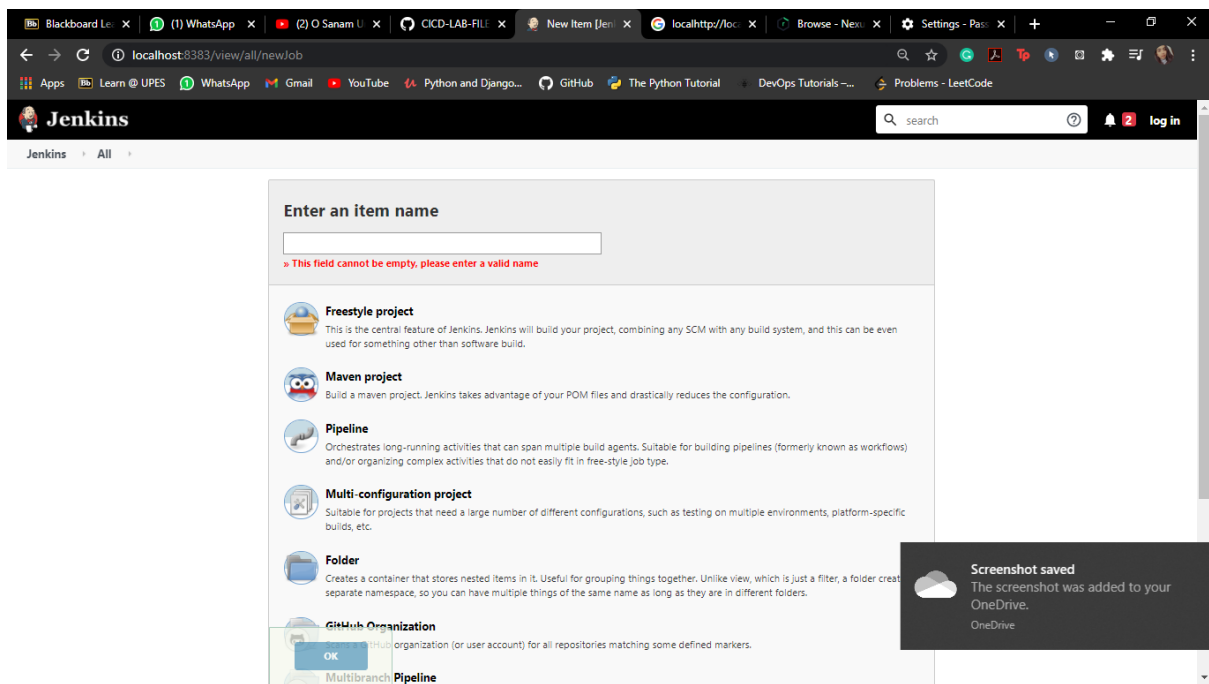
3.1) Step7: open nexus server

Using the command at the location of your nexus folder

bin `nexus.exe /run`

```
C:\WINDOWS\system32\cmd.exe - nexus.exe /run
Class org.sonatype.nexus.extdirect.internal.ExtDirectJsonRequestProcessorThread, contextPath--not specified: calculated
via Javascript--, createSourceFiles=true
2020-11-20 23:25:56.706+0530 INFO [jetty-main-1] *SYSTEM com.sonatype.nexus.extjs.djn.servlet.DirectMgineServlet - Se
rvlet GLOBAL configuration: registryConfiguratorClass=
2020-11-20 23:25:56.723+0530 INFO [quartz-3-thread-1] *SYSTEM org.sonatype.nexus.quartz.internal.task.QuartzTaskInfo -
Task 'Storage facet cleanup' [repository.storage-facet-cleanup] state change WAITING -> RUNNING
2020-11-20 23:25:56.723+0530 INFO [jetty-main-1] *SYSTEM com.sonatype.nexus.extjs.djn.jscodegen.CodeFileGenerator - Cr
eating source files for APIs...
2020-11-20 23:25:56.827+0530 INFO [quartz-3-thread-1] *SYSTEM org.sonatype.nexus.quartz.internal.task.QuartzTaskInfo -
Task 'Storage facet cleanup' [repository.storage-facet-cleanup] state change RUNNING -> WAITING (OK)
2020-11-20 23:25:57.476+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.siesta.SiestaServlet - JAX-RS RuntimeDelega
te: org.sonatype.nexus.siesta.internal.resteasy.SisuResteasyProviderFactory@5fcd1d01
2020-11-20 23:25:57.530+0530 INFO [jetty-main-1] *SYSTEM org.jboss.resteasy.plugins.validation.i18n - RESTEASY008550: U
nable to find CDI supporting ValidatorFactory. Using default ValidatorFactory
2020-11-20 23:25:57.782+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.siesta.SiestaServlet - Initialized
2020-11-20 23:25:57.785+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.repository.httpbridge.internal.ViewServlet
- Initialized
2020-11-20 23:25:57.839+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.handler.ContextHandler - Started o.e.
j.w.WebAppContext@3c313bc2[Sonatype Nexus/,file:///C:/Users/Dell/nexus-3.18.1-01-win64/nexus-3.18.1-01/public/,AVAILABL
E]
2020-11-20 23:25:57.982+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.AbstractConnector - Started ServerCon
nector@a0f78e8[HTTP/1.1,[http/1.1]]{0.0.0.0:8081}
2020-11-20 23:25:57.983+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.Server - Started @115564ms
2020-11-20 23:25:57.984+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer -

-----
Started Sonatype Nexus OSS 3.18.1-01
-----
```



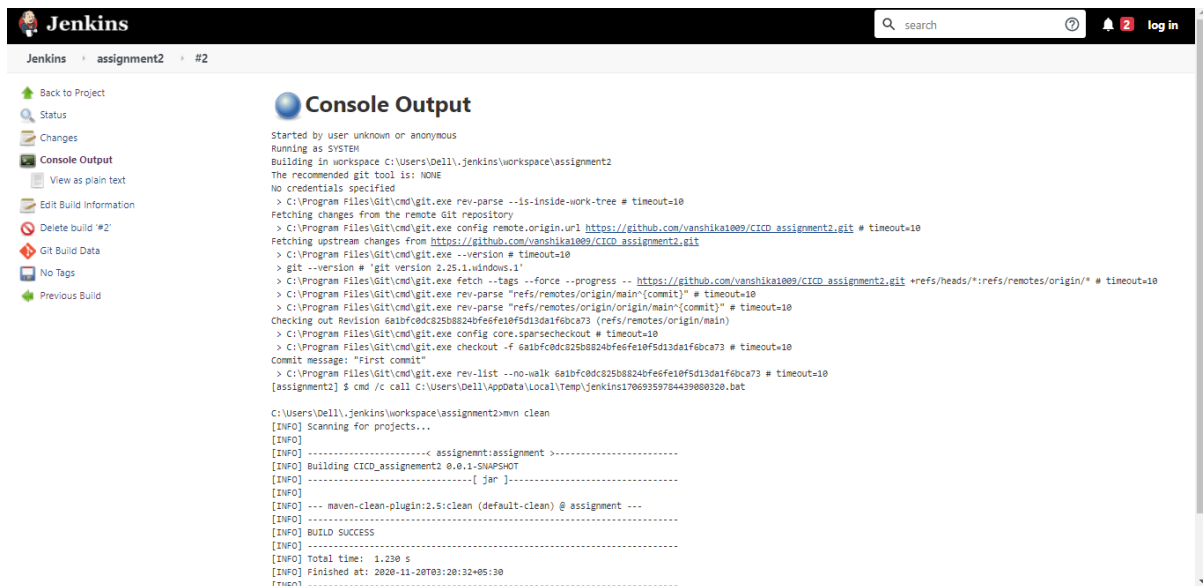
Jenkinsfile:

```

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

```

Step8: Give the necessary details about your github repository in the next window



Step9: open your Nexus on your localhost and see the pipeline view.

