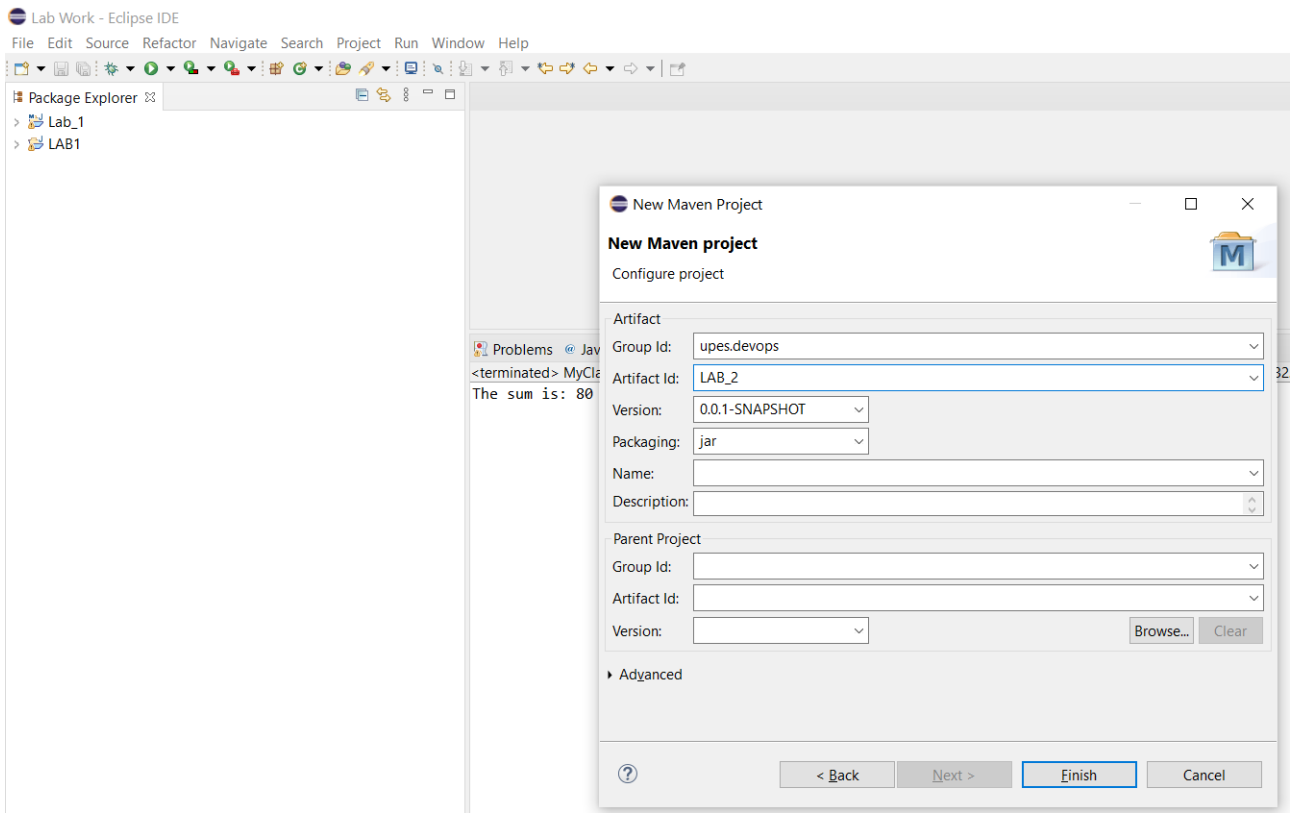
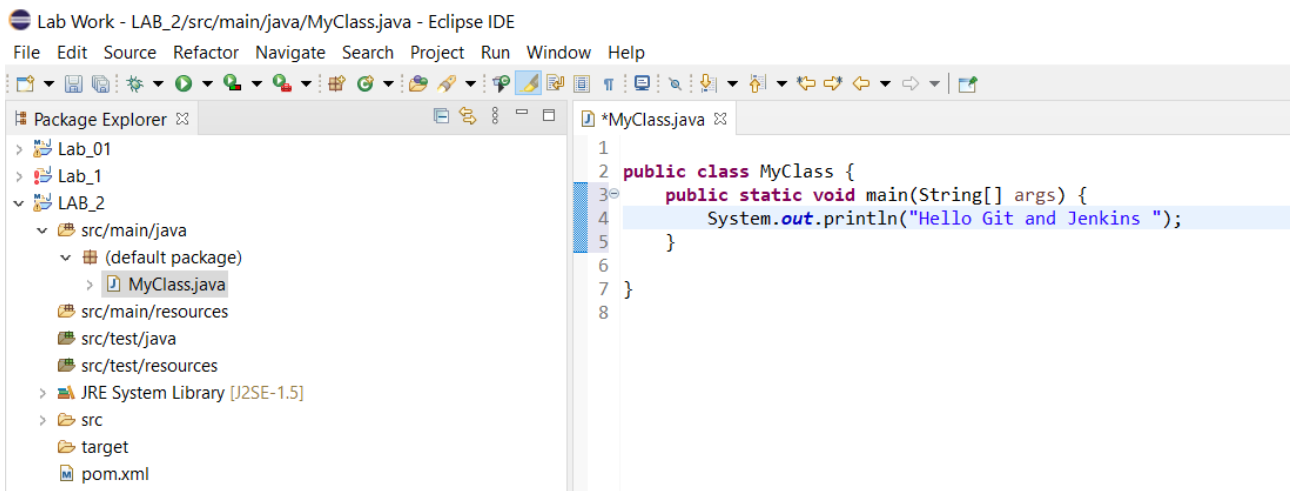


NAME: AYUSH BANSAL
SAP ID: 500075782
ROLL NO: R171219009
BRANCH: DEVOPS.

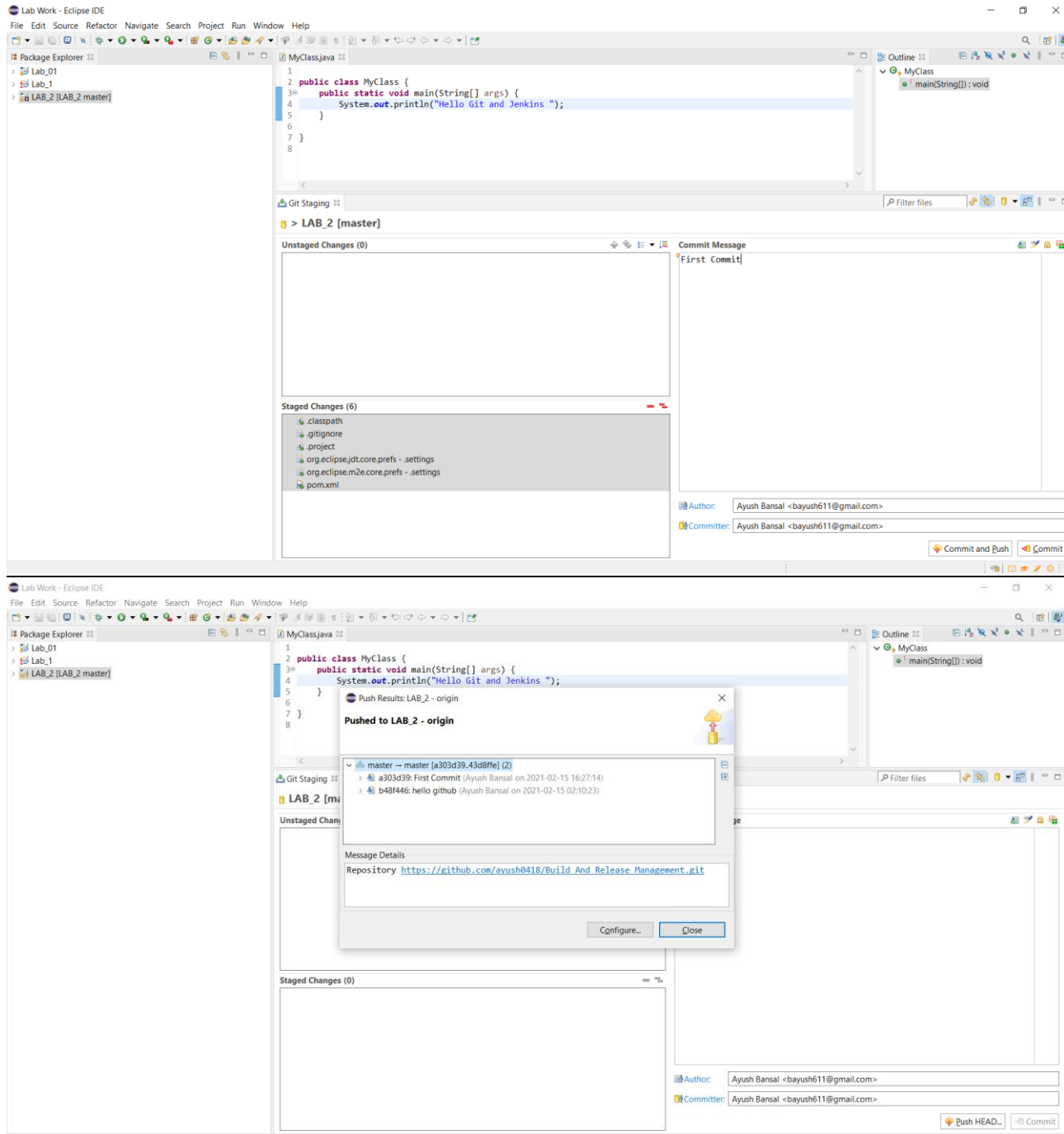
CREATING A SIMPLE MAVEN PROJECT



CREATE A CLASS IN MAVEN PROJECT

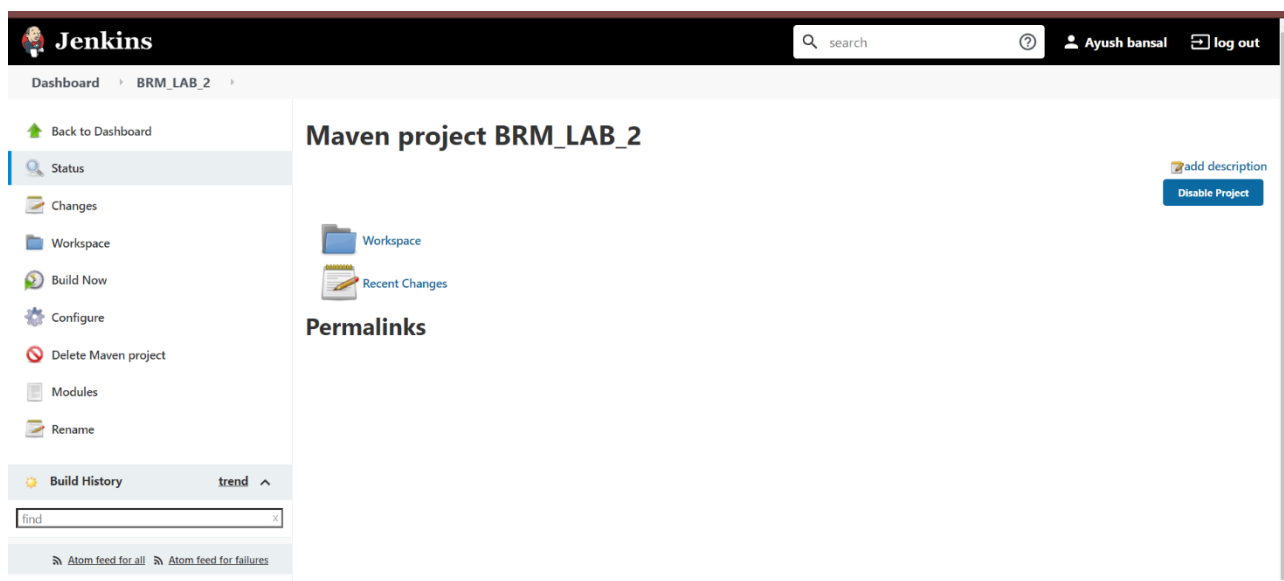


COMMIT AND PUSH THIS CODE ON YOUR GITHUB BY CREATING A REPOSITORY



RUN GOALS IN JENKINS

1. Create a job using maven in Jenkins.
2. Then select configure option.
3. Then on 'Source Code Management' Tab -> give the git repository URL that we made.
4. Then on 'Build' Tab -> select the pom.xml file location from github and set the goal.
5. Save the changes.
6. Then select Build Now option



The screenshot shows the Jenkins dashboard for a project named 'BRM_LAB_2'. The top navigation bar includes the Jenkins logo, a search bar, and the user 'Ayush bansal' with a 'log out' button. The left sidebar contains a 'Back to Dashboard' link and a 'Status' section with links to 'Changes', 'Workspace', 'Build Now', 'Configure', 'Delete Maven project', 'Modules', and 'Rename'. Below this is a 'Build History' section with a 'trend' dropdown and a search bar. The main content area is titled 'Maven project BRM_LAB_2' and includes links to 'Workspace' and 'Recent Changes'. There are also buttons for 'add description' and 'Disable Project'. At the bottom, there are links to 'Atom feed for all' and 'Atom feed for failures'.

Source Code Management

- ☐ None
☒ Git

Repositories

Repository URL

https://github.com/ayush0418/Build_And_Release_Management.git

Credentials

- none -

 Add

Advanced...

Add Repository

Build

Root POM

pom.xml

Goals and options

clean

Advanced...

RUN THE FOLLOWING GOALS

- CLEAN

Dashboard > BRM_LAB_2 > #4

Git Build Data

Redeploy Artifacts

See Fingerprints

```
Checking out Revision a303d399954a485486ae5037274ef70ab84e88d6 (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f a303d399954a485486ae5037274ef70ab84e88d6 # timeout=10
Commit message: "First Commit"
First time build. Skipping changelog.
Parsing POMs
Established TCP socket on 63594
[BRM_LAB_2] $ D:\Java\jdk1.8.0_251\bin/java -cp "C:\Users\Ayush Bansal\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-agent-1.13.jar;D:\apache-maven-3.5.3\boot\plexus-classworlds-2.5.2.jar;D:\apache-maven-3.5.3\conf\logging" jenkins.maven3.agent.Maven35Main D:\apache-maven-3.5.3 "C:\Users\Ayush Bansal\.jenkins\war\WEB-INF\lib\remoting-4.6.jar" "C:\Users\Ayush Bansal\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-interceptor-1.13.jar" "C:\Users\Ayush Bansal\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven3-interceptor-commons-1.13.jar" 63594
<==[JENKINS REMOTING CAPACITY]==>channel started
Executing Maven: -B -f C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\pom.xml clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< upes.devops:LAB_2 >-----
[INFO] Building LAB_2 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ LAB_2 ---
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.805 s
[INFO] Finished at: 2021-02-15T17:01:24+05:30
[INFO]
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\pom.xml to upes.devops/LAB_2/0.0.1-SNAPSHOT/LAB_2-0.0.1-SNAPSHOT.pom
channel stopped
Finished: SUCCESS
```

➤ WORKSPACE AFTER THE CLEAN GOAL

Jenkins

search

Ayush bansal

log out

Dashboard > BRM_LAB_2 >

Back to Dashboard

Status

Changes

Workspace

Wipe Out Current Workspace

Build Now

Configure

Delete Maven project

Modules

Rename

Workspace of BRM_LAB_2 on master

.git

.settings

src/main/java

.classpath

.gitignore

.project

pom.xml

15-Feb-2021 16:32:38

1.48 KB

15-Feb-2021 16:32:38

10 B

15-Feb-2021 16:32:38

557 B

15-Feb-2021 16:32:38

360 B

(all files in zip)

- COMPILE

Dashboard > BRM_LAB_2 > #5

Previous Build


```
[BRM_LAB_2] $ D:\Java\jdk1.8.0_251\bin/java -cp "C:\Users\Ayush Bansal\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-agent-1.13.jar;D:\apache-maven-3.5.3\boot\plexus-classworlds-2.5.2.jar;D:\apache-maven-3.5.3\conf\logging" jenkins.maven3.agent.Maven35Main D:\apache-maven-3.5.3 "C:\Users\Ayush Bansal\.jenkins\war\WEB-INF\lib\remoting-4.6.jar" "C:\Users\Ayush Bansal\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-interceptor-1.13.jar" "C:\Users\Ayush Bansal\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven3-interceptor-commons-1.13.jar" 63813
<==[JENKINS REMOTING CAPACITY]==>channel started
Executing Maven: -B -f C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\pom.xml compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< upes.devops:LAB_2 >-----
[INFO] Building LAB_2 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ LAB_2 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ LAB_2 ---
[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\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\target\classes
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.653 s
[INFO] Finished at: 2021-02-15T17:03:13+05:30
[INFO]
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\pom.xml to upes.devops/LAB_2/0.0.1-SNAPSHOT/LAB_2-0.0.1-SNAPSHOT.pom
channel stopped
Finished: SUCCESS
```

• TEST

```
Dashboard > BRM_LAB_2 > #6

[INFO] Scanning for projects...
[INFO]
[INFO] -----< upes.devops:LAB_2 >-----
[INFO] Building LAB_2 0.0.1-SNAPSHOT
[INFO]
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ LAB_2 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ LAB_2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ LAB_2 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ LAB_2 ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ LAB_2 ---
[INFO] No tests to run.
[INFO] Recording test results
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 2.041 s
[INFO] Finished at: 2021-02-15T17:06:16+05:30
[INFO]
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\pom.xml to upes.devops/LAB_2/0.0.1-SNAPSHOT/LAB_2-0.0.1-SNAPSHOT.pom
channel stopped
Finished: SUCCESS
```

➤ WORKSPACE AFTER THE TEST GOAL

 Jenkins

search

Ayush bansal

log out

Dashboard > BRM_LAB_2 >

Back to Dashboard

Status

Changes

Workspace


Wipe Out Current Workspace


Build Now


Configure


Delete Maven project


Workspace of BRM_LAB_2 on master





 .git


 .settings


 src/main/java

 target

 .classpath

 .gitignore

 .project

 pom.xml

15-Feb-2021 16:32:38

1.48 KB

view

15-Feb-2021 16:32:38

10 B

view

15-Feb-2021 16:32:38

557 B

view

15-Feb-2021 16:32:38

360 B

view


(all files in zip)

• INSTALL

```
Dashboard > BRM_LAB_2 > #8

[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ LAB_2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ LAB_2 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ LAB_2 ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ LAB_2 ---
[INFO] No tests to run.
[INFO] Recording test results
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ LAB_2 ---
[INFO] Building jar: C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\target\LAB_2-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ LAB_2 ---
[INFO] Installing C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\target\LAB_2-0.0.1-SNAPSHOT.jar to C:\Users\Ayush
Bansal\.m2\repository\upes\devops\LAB_2\0.0.1-SNAPSHOT\LAB_2-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\pom.xml to C:\Users\Ayush Bansal\.m2\repository\upes\devops\LAB_2\0.0.1-SNAPSHOT\LAB_2-
0.0.1-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.472 s
[INFO] Finished at: 2021-02-15T17:11:20+05:30
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\pom.xml to upes.devops/LAB_2/0.0.1-SNAPSHOT/LAB_2-0.0.1-SNAPSHOT.pom
[JENKINS] Archiving C:\Users\Ayush Bansal\.jenkins\workspace\BRM_LAB_2\target\LAB_2-0.0.1-SNAPSHOT.jar to upes.devops/LAB_2/0.0.1-SNAPSHOT/LAB_2-0.0.1-
SNAPSHOT.jar
channel stopped
Finished: SUCCESS
```

➤ WORKSPACE AFTER THE INSTALL GOAL


 **Jenkins**

search


Ayush bansal log out


Dashboard > BRM_LAB_2 >


 Back to Dashboard

 Status

 Changes

 Workspace

 Build Now

 Configure

 Delete Maven project

Workspace of BRM_LAB_2 on master

target /

classes

maven-archiver

maven-status/maven-compiler-plugin/compile/default-compile

LAB_2-0.0.1-SNAPSHOT.jar

15-Feb-2021 17:11:20 1.78 KB view

(all files in zip)

