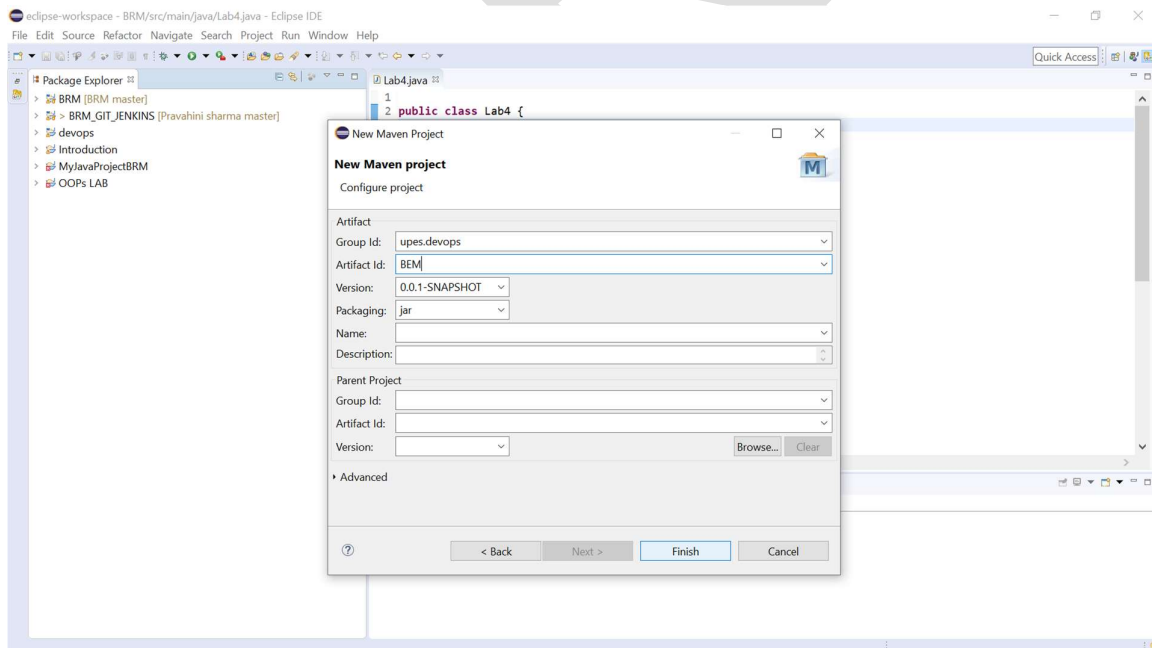
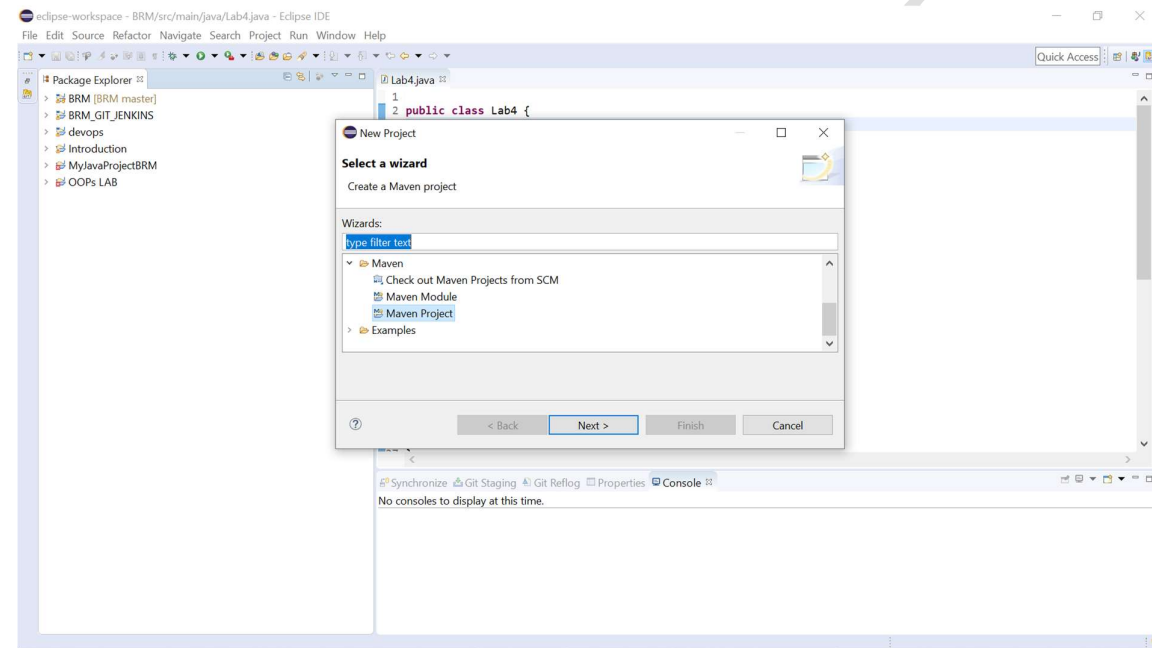


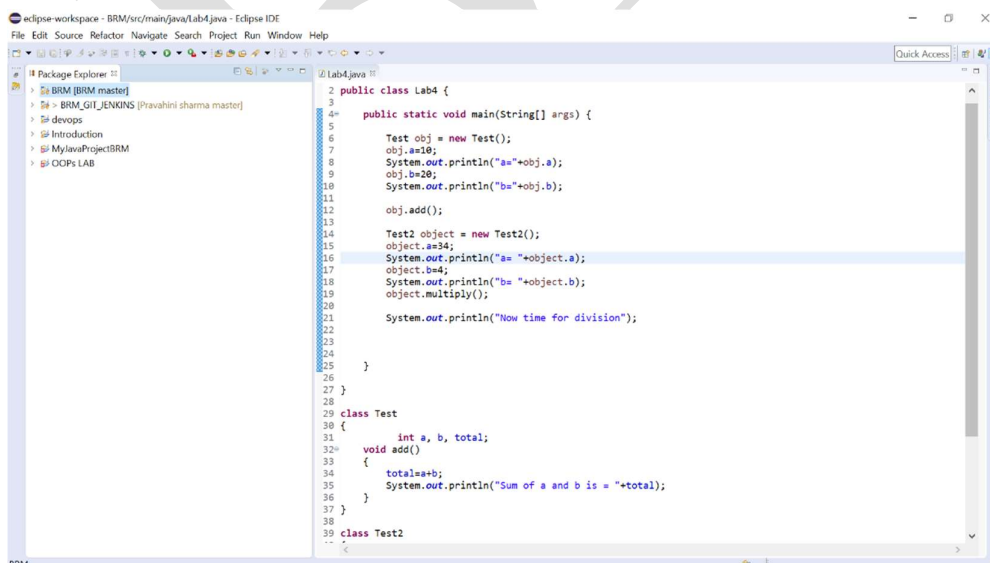
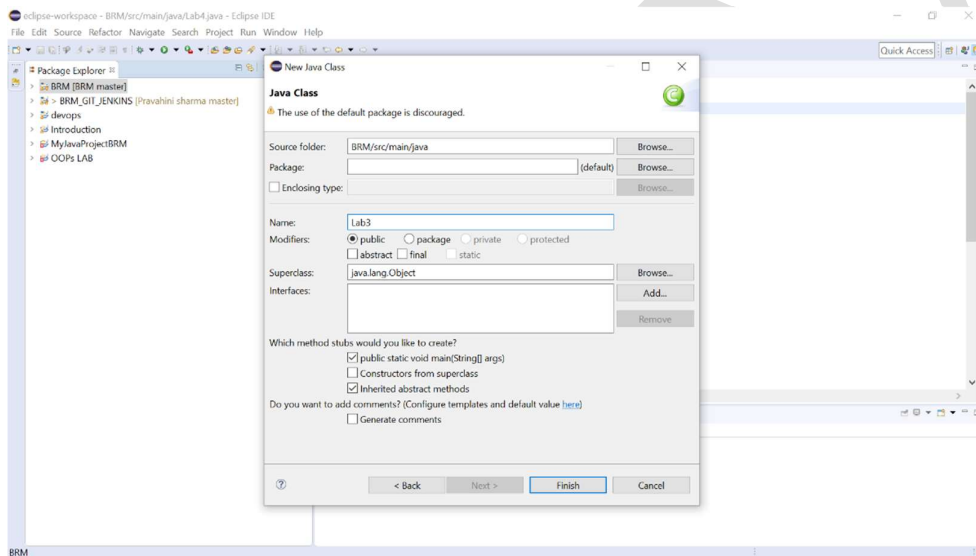
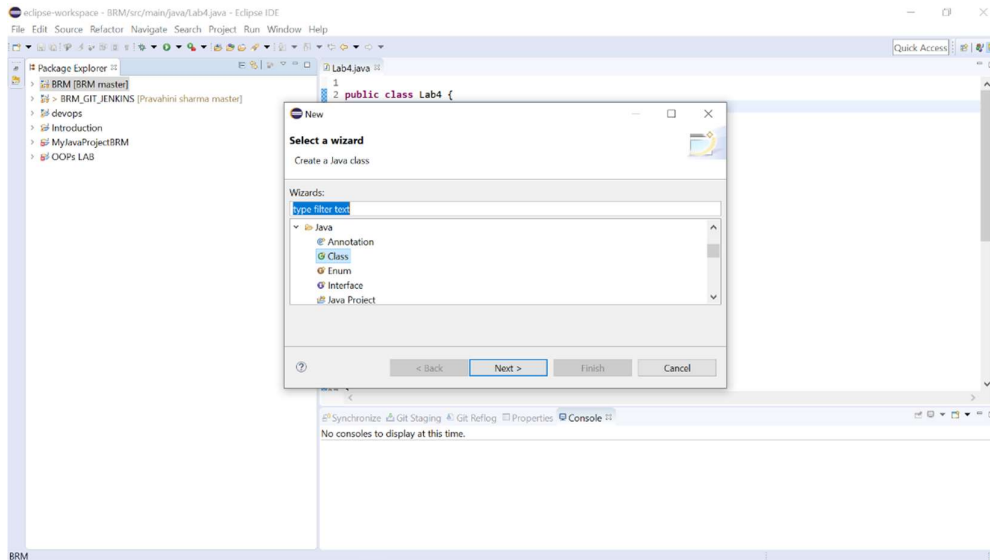
BRM LAB

Lab Work of 2-4 Lab sessions

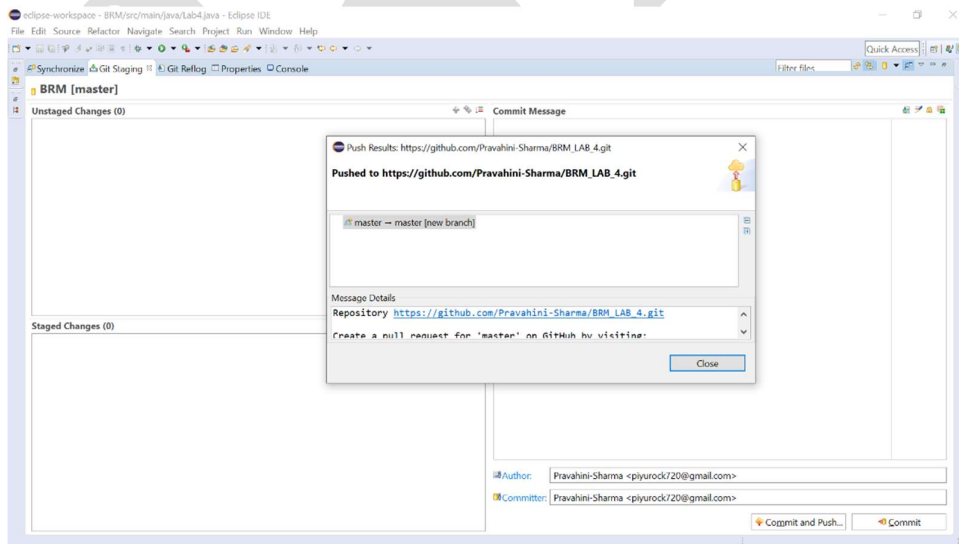
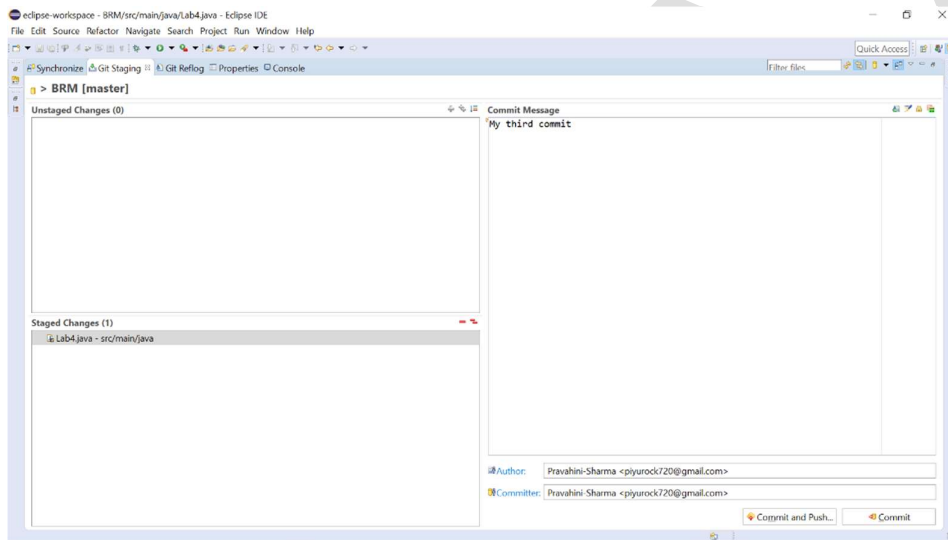
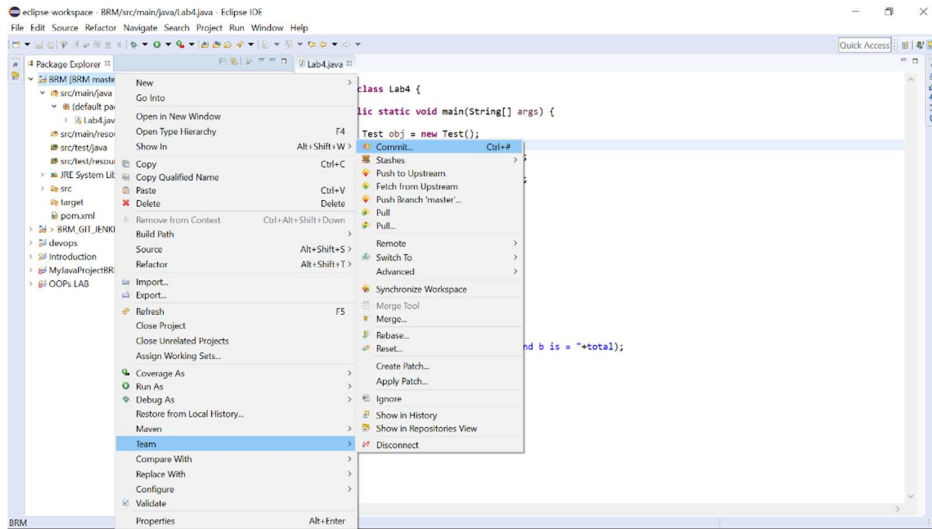
- Creating a new Maven Project 'BRM'



- Creating new class Lab4 in BRM



- Commit and Push the code on the GitHub repository



Pravahini-Sharma/BRM_LAB_4 x BRM_LAB4_2021 [jenkins]

github.com/Pravahini-Sharma/BRM_LAB_4/tree/master

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master had recent pushes less than a minute ago [Compare & pull request](#)

master 2 branches 0 tags [Go to file](#) [Add file](#) [Code](#)

This branch is 3 commits ahead, 1 commit behind main. [Pull request](#) [Compare](#)

Pravahini-Sharma My third commit ab14d21 34 seconds ago 3 commits

.settings	My Maven Project	2 hours ago
src/main/java	My third commit	34 seconds ago
target	My Maven Project	2 hours ago
.classpath	My Maven Project	2 hours ago
project	My Maven Project	2 hours ago
pom.xml	My Maven Project	2 hours ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)

About
No description, website, or topics provided.

Releases
No releases published
[Create a new release](#)

Packages
No packages published
[Publish your first package](#)

• Start Jenkins using Command Prompt

```

Command Prompt
C:\>cd \Program Files\Jenkins

C:\Program Files\Jenkins>java -jar jenkins.war
Running from: C:\Program Files\Jenkins\Jenkins.war
webroot: $user.home/.jenkins
2021-02-14 16:57:04.606+0000 [id=1] INFO org.eclipse.jetty.util.log.Log initialized: Logging initialized @1380ms to org.eclipse.jetty.util.log.JavaUtilLog
2021-02-14 16:57:04.769+0000 [id=1] INFO winstone.Logger#logInternal: Beginning extraction from war file
2021-02-14 16:57:04.799+0000 [id=1] WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
2021-02-14 16:57:04.955+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-9.4.35.v20201120; built: 2020-11-20T21:17:03.964Z; git: bdc54f03a5e8a7e280fab27f55c3c75ee8da89fb; jvm 11.0.9+7-LTS
2021-02-14 16:57:08.227+0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.jsp.JettyJspServlet
2021-02-14 16:57:08.296+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: DefaultSessionIdManager workerName=node0
2021-02-14 16:57:08.297+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: No SessionScavenger set, using defaults
2021-02-14 16:57:08.299+0000 [id=1] INFO o.e.j.server.session.HouseKeeper#startScavenging: node0 Scavenging every 660000ms
2021-02-14 16:57:09.444+0000 [id=1] INFO hudson.WebAppMain#contextInitialized: Jenkins home directory: C:\Users\Pravahini sharma\.jenkins found at: $user.home/.jenkins
2021-02-14 16:57:09.885+0000 [id=1] INFO o.e.j.s.handler.ContextHandler#doStart: Started w.@5aa6202e[Jenkins v2.277.1, file:///C:/Users/Pravahini%20sharma/.jenkins/war/AVAILABLE]{C:\Users\Pravahini sharma\.jenkins\war}
2021-02-14 16:57:09.919+0000 [id=1] INFO o.e.j.server.AbstractConnector#doStop: Stopped ServerConnector@7ee8290b{HTTP/1.1, (http/1.1)}{0.0.0.0:8080}
2021-02-14 16:57:09.921+0000 [id=1] INFO o.e.j.server.session.HouseKeeper#stopScavenging: node0 Stopped scavenging
2021-02-14 16:57:09.933+0000 [id=1] INFO hudson.WebAppMain#contextDestroyed: Shutting down a Jenkins instance that was still starting up
java.lang.Throwable: reason
at hudson.WebAppMain.contextDestroyed(WebAppMain.java:450)
at org.eclipse.jetty.server.handler.ContextHandler.callContextDestroyed(ContextHandler.java:1875)
at org.eclipse.jetty.servlet.ServletContextHandler.callContextDestroyed(ServletContextHandler.java:584)
at org.eclipse.jetty.server.handler.ContextHandler.contextDestroyed(ContextHandler.java:1838)
at org.eclipse.jetty.servlet.ServletHandler.doStop(ServletHandler.java:319)
at org.eclipse.jetty.util.component.AbstractLifecycle.stop(AbstractLifecycle.java:94)
at org.eclipse.jetty.util.component.ContainerLifecycle.stop(ContainerLifecycle.java:180)
at org.eclipse.jetty.util.component.ContainerLifecycle.doStop(ContainerLifecycle.java:201)
at org.eclipse.jetty.server.handler.AbstractHandler.doStop(AbstractHandler.java:188)
at org.eclipse.jetty.security.SecurityHandler.doStop(SecurityHandler.java:437)
at org.eclipse.jetty.security.ConstraintSecurityHandler.doStop(ConstraintSecurityHandler.java:425)
at org.eclipse.jetty.util.component.AbstractLifecycle.stop(AbstractLifecycle.java:94)
at org.eclipse.jetty.util.component.ContainerLifecycle.stop(ContainerLifecycle.java:180)
at org.eclipse.jetty.util.component.ContainerLifecycle.doStop(ContainerLifecycle.java:201)
at org.eclipse.jetty.server.handler.AbstractHandler.doStop(AbstractHandler.java:188)
at org.eclipse.jetty.session.SessionHandler.doStop(SessionHandler.java:520)
at org.eclipse.jetty.util.component.AbstractLifecycle.stop(AbstractLifecycle.java:94)
at org.eclipse.jetty.util.component.ContainerLifecycle.stop(ContainerLifecycle.java:180)
at org.eclipse.jetty.util.component.ContainerLifecycle.doStop(ContainerLifecycle.java:201)
at org.eclipse.jetty.server.handler.AbstractHandler.doStop(AbstractHandler.java:188)

```

- Open Jenkins and create a new Maven Project

BRM-LAB-2021/LAB-4.pdf at ma x New Item [Jenkins] x +

localhost:8080/view/all/newJob

Dashboard > All

Enter an item name

BRM_LAB3_2021

Required field

Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

OK

- Pull the code from the GitHub repository and run the clean goal

Pravahini-Sharma/BRM_LAB_4 x BRM_LAB4_2021 Config [Jenkins] x +

localhost:8080/job/BRM_LAB4_2021/configure

Dashboard > BRM_LAB4_2021

General Source Code Management Build Triggers Build Environment Pre Steps Build Post Steps Build Settings

Post-build Actions

Source Code Management

☐ None

☒ Git

Repositories

Repository URL

https://github.com/Pravahini-Sharma/BRM_LAB_4.git

Credentials

- none - Add

Advanced...

Add Repository

Branches to build

Save Apply

Pravahini-Sharma/BRM_LAB_4 at: x BRM_LAB4_2021 Config [Jenkins] x +

localhost:8080/job/BRM_LAB4_2021/configure

Dashboard > BRM_LAB4_2021

General Source Code Management Build Triggers **Build Environment** Pre Steps Build Post Steps Build Settings

Post-build Actions

- ☐ Use secret text(s) or file(s)
- ☐ Abort the build if it's stuck
- ☐ Add timestamps to the Console Output
- ☐ Inspect build log for published Gradle build scans
- ☐ With Ant

Pre Steps

Add pre-build step

Build

Root POM

pom.xml

Goals and options

clean

Advanced...

Save Apply

Pravahini-Sharma/BRM_LAB_4 at: x BRM_LAB4_2021 [Jenkins] x +

localhost:8080/job/BRM_LAB4_2021/

Dashboard > BRM_LAB4_2021

Status

Changes

Workspace

Build Now

Configure

Delete Maven project

Modules

Rename

Build History trend

find

#1 Feb 13, 2021, 8:51 PM

Atom feed for all Atom feed for failures

localhost:8080/job/BRM_LAB4_2021/build?delay=0sec

maven project BRM_LAB4_2021

add description

Disable Project

Workspace

Recent Changes

Permalinks

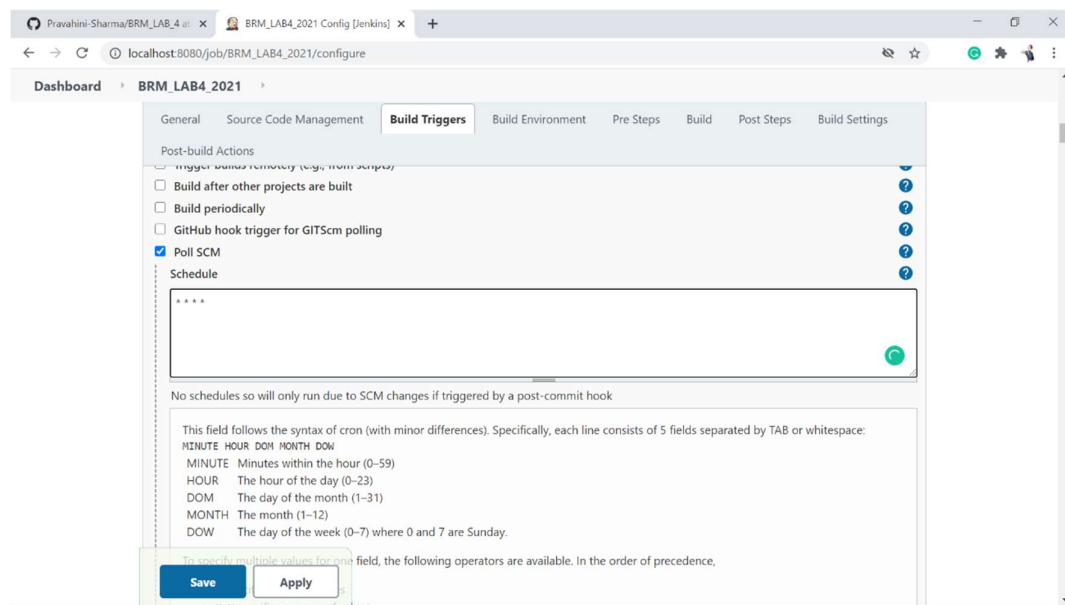
Pravahini-Sharma/BRM_LAB_4 at: x BRM_LAB4_2021 #1 Console [Jenkins] x +

localhost:8080/job/BRM_LAB4_2021/1/console

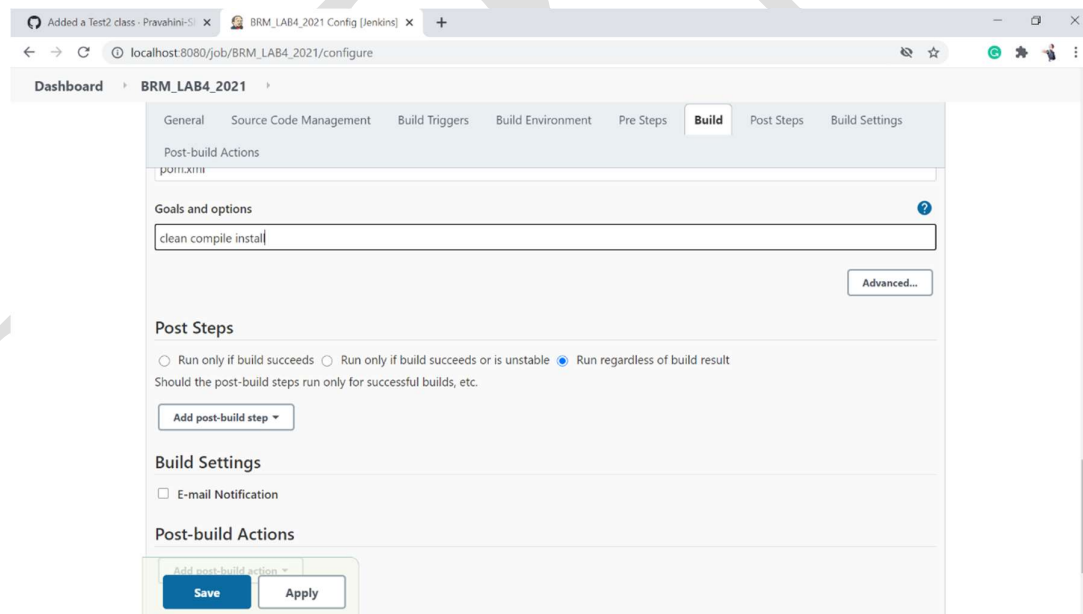
Dashboard > BRM_LAB4_2021 > #1

```
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/apache/3/apache-3.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/apache/3/apache-3.pom (3.4 kB at 6.0 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0/plexus-utils-3.0.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0/plexus-utils-3.0.pom (4.1 kB at 7.2 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/sonatype/spice/spice-parent/16/spice-parent-16.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/spice/spice-parent/16/spice-parent-16.pom (8.4 kB at 14 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/sonatype/forge/forge-parent/5/forge-parent-5.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/forge/forge-parent/5/forge-parent-5.pom (8.4 kB at 15 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.6/maven-plugin-api-2.0.6.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.6/maven-plugin-api-2.0.6.jar (13 kB at 11 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0/plexus-utils-3.0.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0/plexus-utils-3.0.jar (226 kB at 180 kB/s)
[INFO] Deleting C:\WINDOWS\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\BRM_LAB4_2021\target
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 12.959 s
[INFO] Finished at: 2021-02-13T20:52:20+05:30
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving C:\WINDOWS\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\BRM_LAB4_2021\pom.xml to upes.devops/BRM/0.0.1-SNAPSHOT/BRM-0.0.1-SNAPSHOT.pom
channel stopped
Finished: SUCCESS
```

- Use the Option Poll SCM to Pull the committed changes every minute and automate the build process



- Run the 'clean compile install' goal



Added a Test2 class - Pravahini-
BRM_LAB4_2021 [Jenkins]

localhost:8080/job/BRM_LAB4_2021/

DashboardBRM_LAB4_2021

Workspace

Build Now

Configure

Delete Maven project

Modules

Rename

Build History

trend

find

#4

Feb 13, 2021, 9:14 PM

#3

Feb 13, 2021, 9:12 PM

#2

Feb 13, 2021, 9:03 PM

#1

Feb 13, 2021, 8:51 PM

Atom feed for allAtom feed for failures

Workspace

Recent Changes

Permalinks

Last build (#3), 1 min 38 sec ago

Last stable build (#1), 22 min ago

Last successful build (#1), 22 min ago

Last failed build (#2), 10 min ago

Last unsuccessful build (#3), 1 min 38 sec ago

Last completed build (#3), 1 min 38 sec ago

BRM LAB