BUILD AND RELEASE MANAGEMENT LAB FILE

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COURSE : Btech CSE DevOps(Semester –4th) (B1)
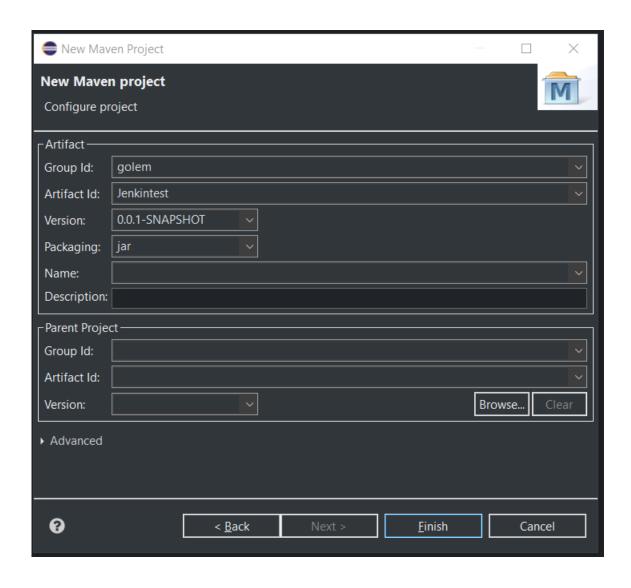
Experiment   2
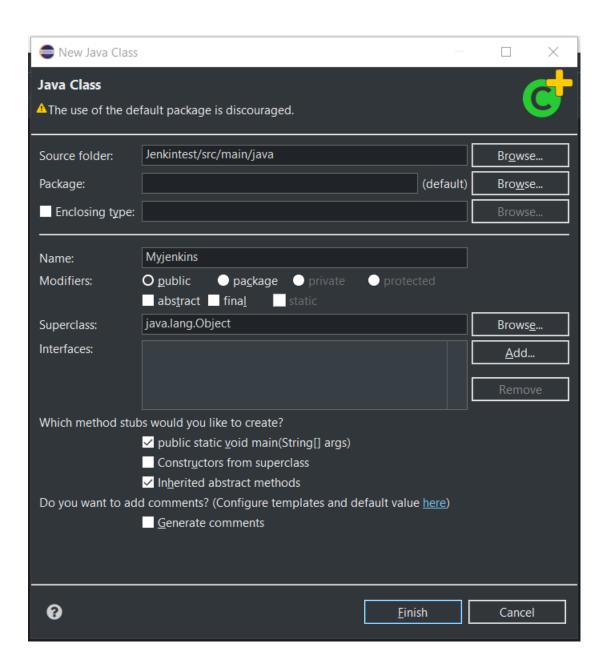
SUBMITTED TO: Dr. Hitesh Kumar Sharma

OBJECTIVE

1. Create a Maven project and create a Java class in it.Write a simple program in Java class.
2. Push the project to a remote Github repository.
3. Configure a job in jenkins to be performed on the project in github repository.
4. Run the jobs on jenkins and perform builds.

IMPLEMENTATION

- Create a Maven project.

- Add Java class to maven project.
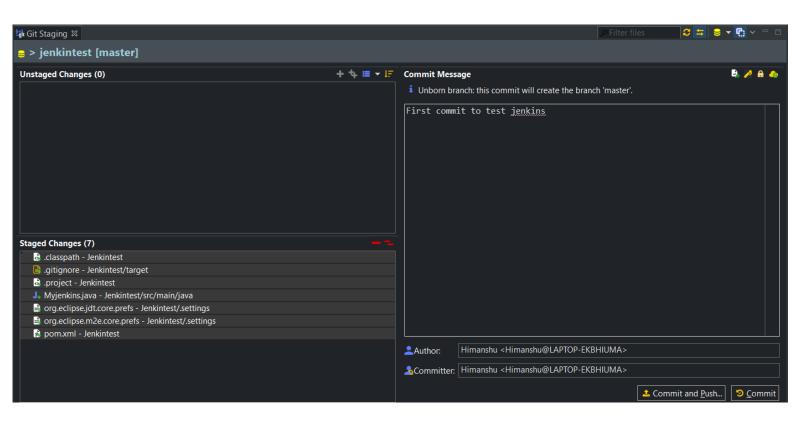
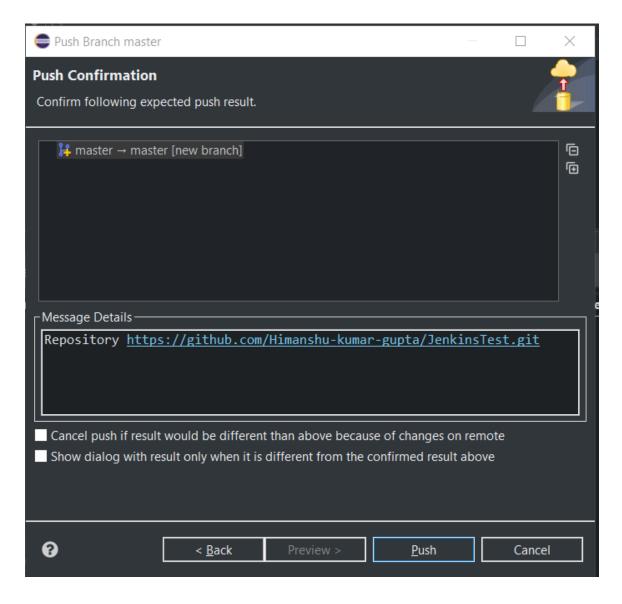- Created a simple program in java class with output.

- Commit and push the project to a remote Github repository.

- Add git repo url in a jenkins job.

- Build using compile command in maven project in jenkins job.

Pre Steps

Add pre-build step ▾

Build

Root POM	C:\Users\Himanshu\git\jenkintest\Jenkintest\pom.xml ❓
Goals and options	compile ❓

Advanced...

Post Steps

○ Run only if build succeeds ○ Run only if build succeeds or is unstable ● Run regardless of build result

Should the post-build steps run only for successful builds, etc.
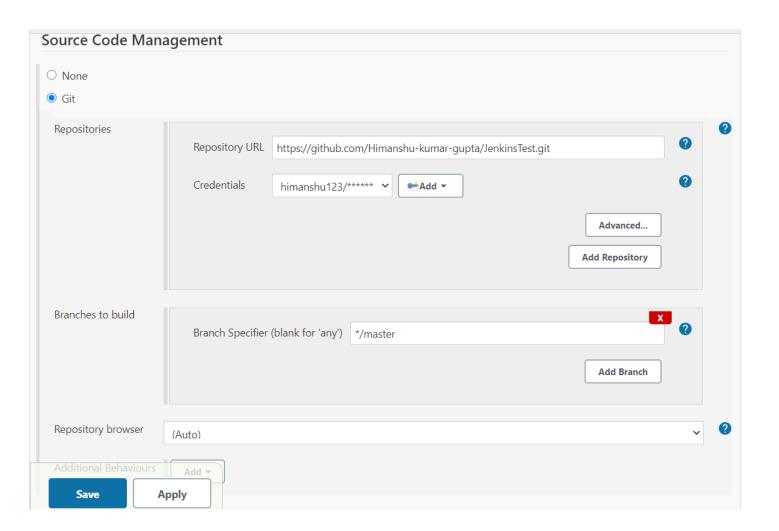
Add post-build step ▾

Build Settings

☐ E-mail Notification

Save **Apply**

- Output after running the job.

```
C:\Windows\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven3-interce
<===[JENKINS REMOTING CAPACITY]===>channel started
Executing Maven:  -B -f C:\Users\Himanshu\git\jenkintest\Jenkintest\pom.xml compile
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< golem:Jenkintest >------------------------
[INFO] Building Jenkintest 0.0.1-SNAPSHOT
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Jenkintest ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Jenkintest ---
[INFO] Nothing to compile - all classes are up to date
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  1.133 s
[INFO] Finished at: 2021-02-16T00:27:10+05:30
[INFO] ------------------------------------------------------------------------
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving C:\Users\Himanshu\git\jenkintest\Jenkintest\pom.xml to golem/Jenkintest/0.0.1-SNAPSHOT/Jenkintest-0
channel stopped
Finished: SUCCESS
```