Software Testing

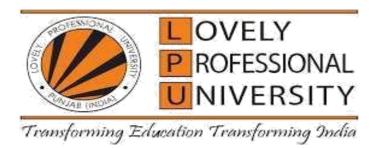
EPAM

Individual Practical task report

Module continuous integration with Jenkins Practical task

Bachelor of Technology Computer Science and Engineering (Software Testing)

LOVELY PROFESSIONAL UNIVERSITY PHAGWARA, PUNJAB



01/05/2023

SUBMITTED BY

SUBMITTED TO

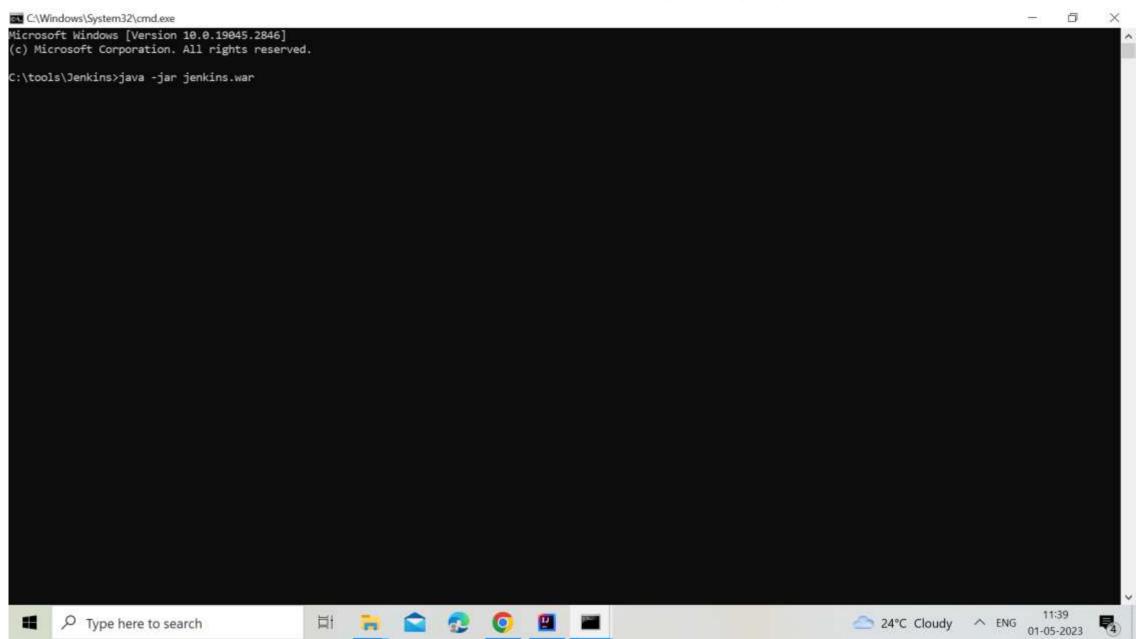
Name of the student: Manjeet Sharma

Name of the assistant professor: Sakshi

Registration Number: 11904954

Roll no.: .48

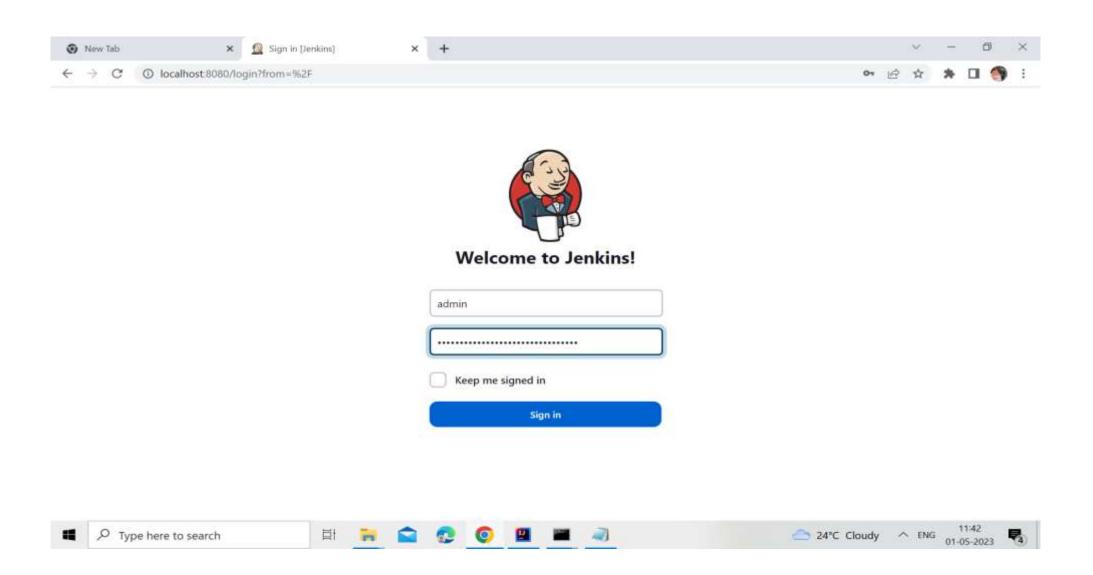
Step 1: Start Jenkin With Command java –jar jenkins.war



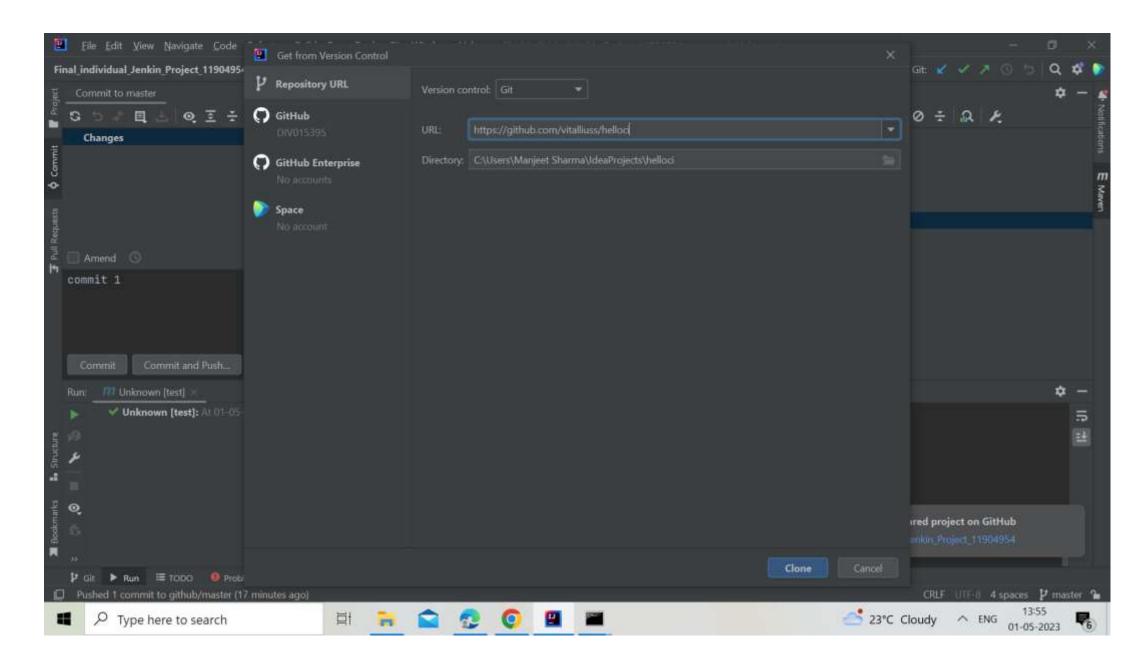
Step 2: Start Jenkin Running

```
C:\Windows\System32\cmd.exe - java -jar jenkins.war --enable-future-java
                                                                                                                                                                    Microsoft Windows [Version 10.0.19045.2846]
(c) Microsoft Corporation. All rights reserved.
C:\tools\Jenkins>java -jar jenkins.war
Running with Java 19 from C:\Program Files\Java\jdk-19, which is not yet fully supported.
Run the command again with the --enable-future-java flag to enable preview support for future Java versions.
Supported Java versions are: [11, 17]
See https://jenkins.io/redirect/java-support/ for more information.
C:\tools\Jenkins>java -jar jenkins.war --enable-future-java
Running with Java 19 from C:\Program Files\Java\jdk-19, which is not fully supported. Continuing because --enable-future-java is set. Supported Java versions are: [11, 17].
See https://jenkins.io/redirect/java-support/ for more information.
Running from: C:\tools\Jenkins\jenkins.war
webroot: C:\Users\Manjeet Sharma\.jenkins\war
2023-05-01 06:10:16.170+0000 [id=1]
                                               winstone.Logger#logInternal: Beginning extraction from war file
2023-05-01 06:10:16.314+0000 [id=1]
                                       WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
2023-05-01 06:10:16.386+0000 [id=1]
                                       INFO org.eclipse.jetty.server.Server#doStart: jetty-10.0.13; built: 2022-12-07T20:13:20.134Z; git: 1c2636ea05c0ca8de1ffd6ca7f3a98
ac084c766d; jvm 19.0.2+7-44
       Type here to search
                                                                                                                                  24°C Cloudy ^ ENG
```

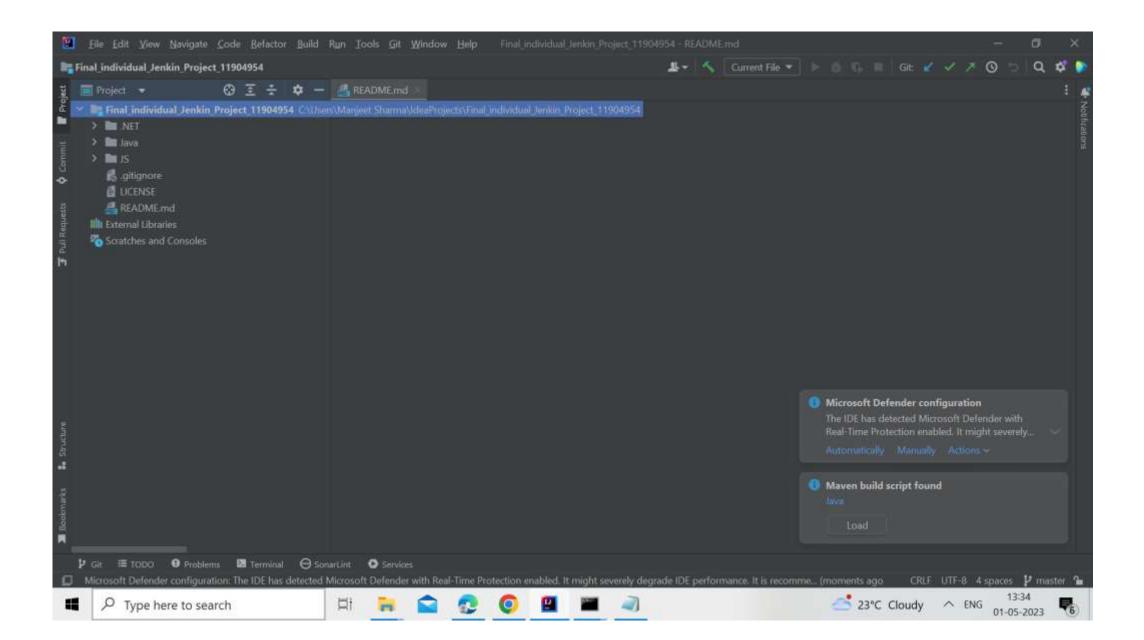
Step 3: Jenkin Login With Credential



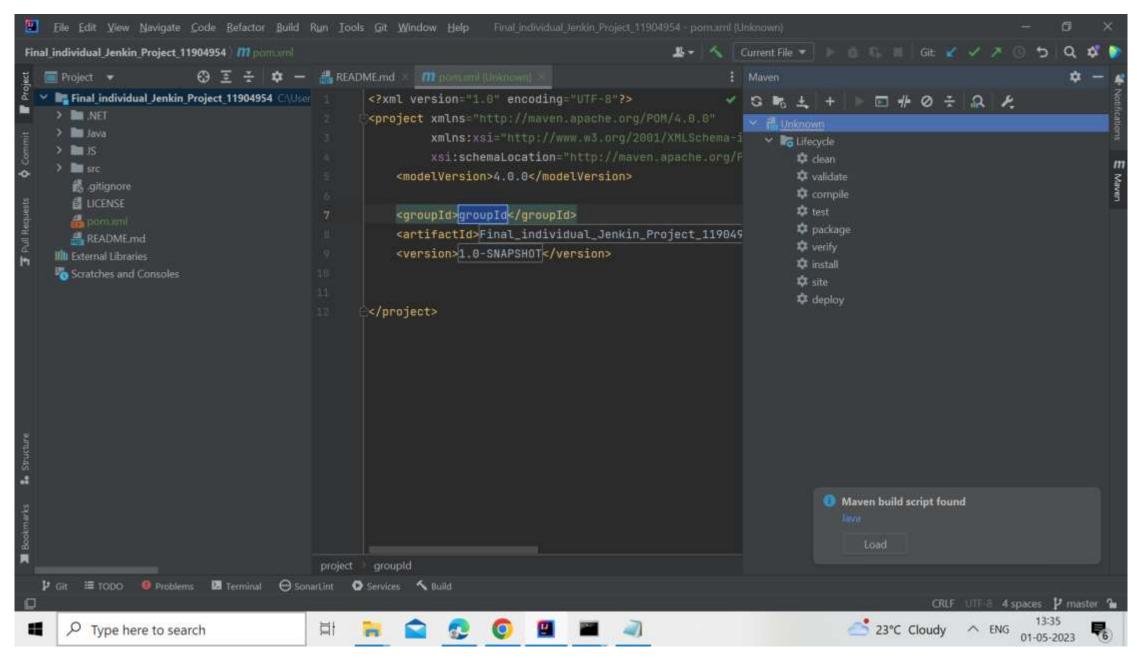
Step 4: Clone of Repository



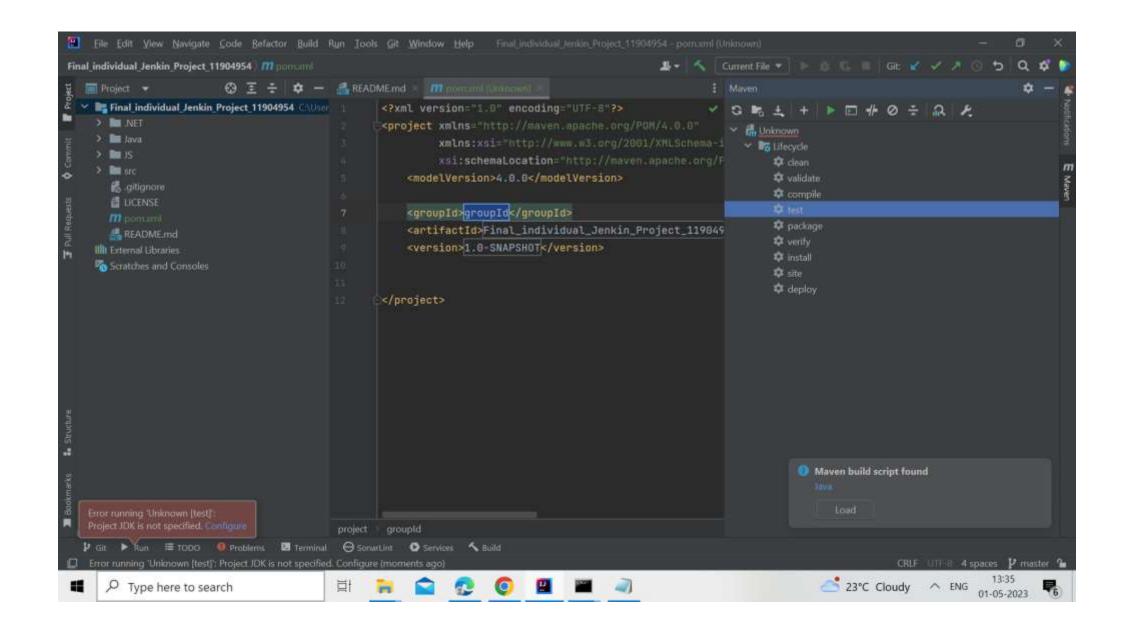
Step 5 : Clone of Repository Completely



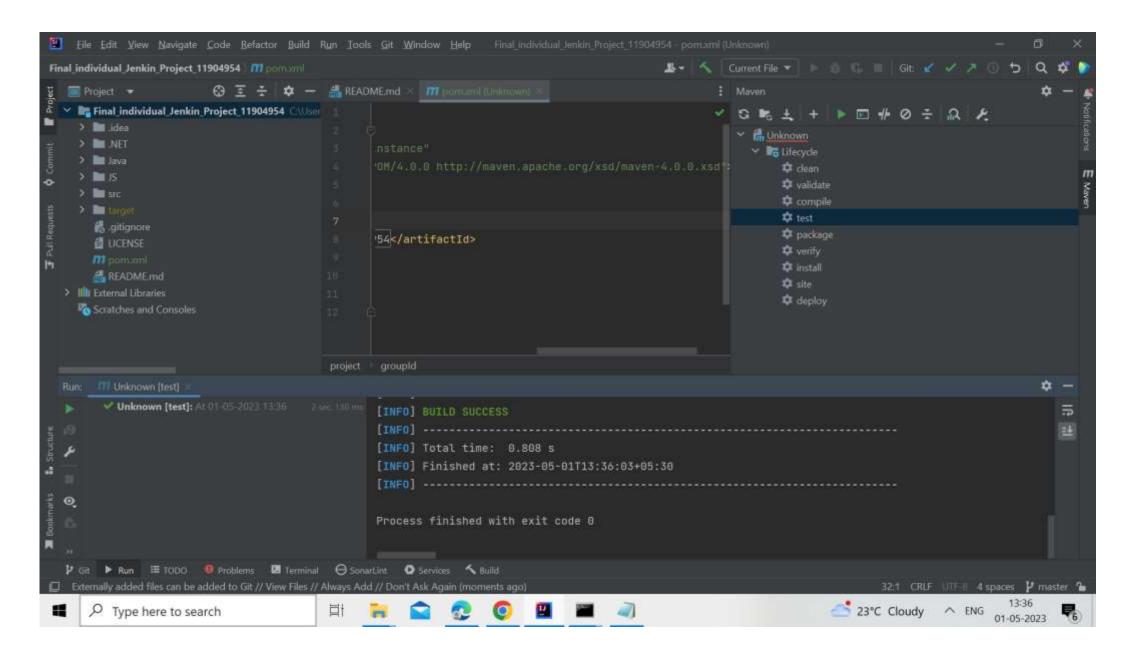
Step 6: Perfom MVN Lifecycle



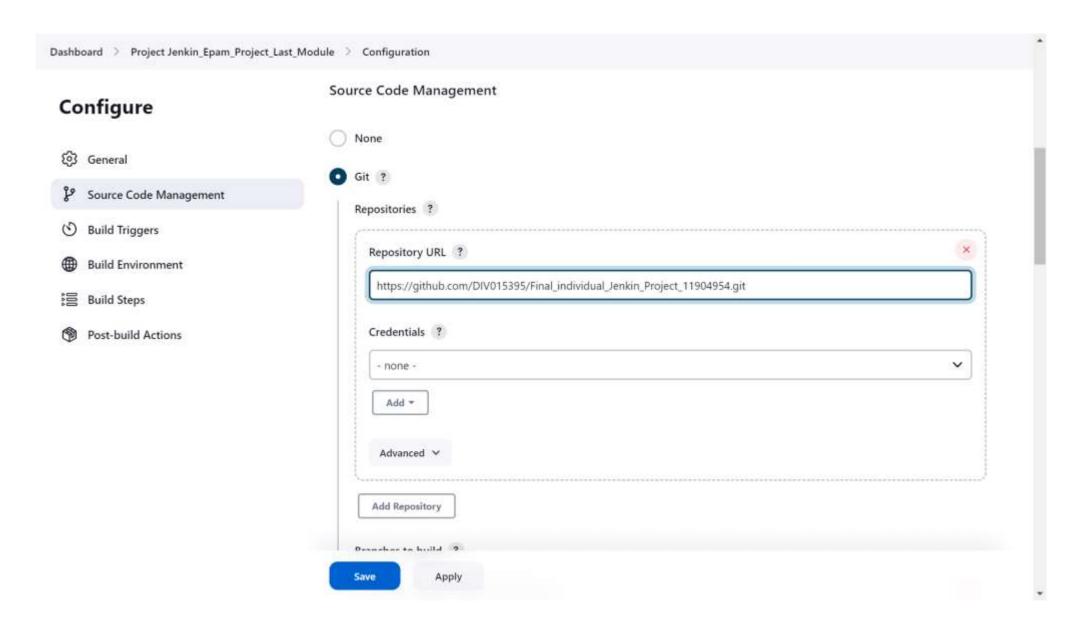
Step 7: Click MVN Test Lifecycle



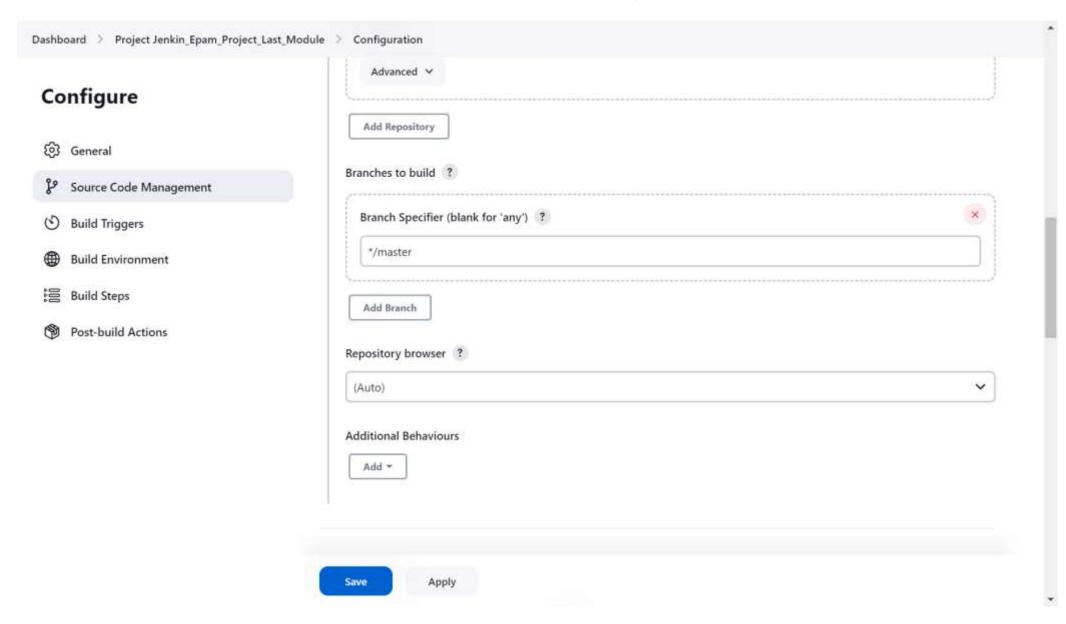
Step 8: Build Success



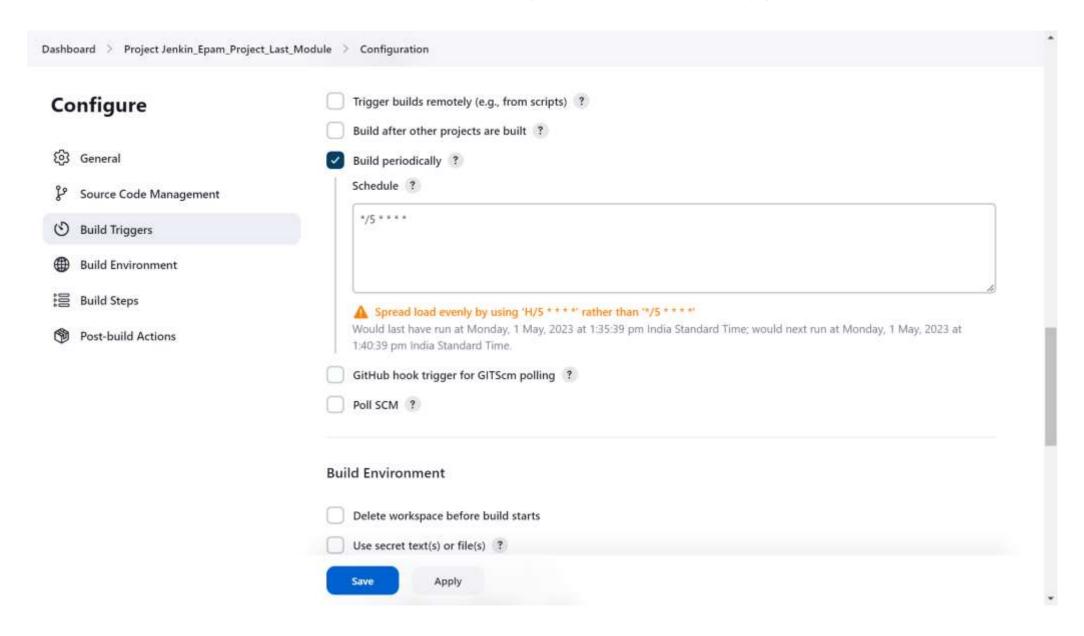
Step 9: Push URL of Clone In Jenkin Configuration



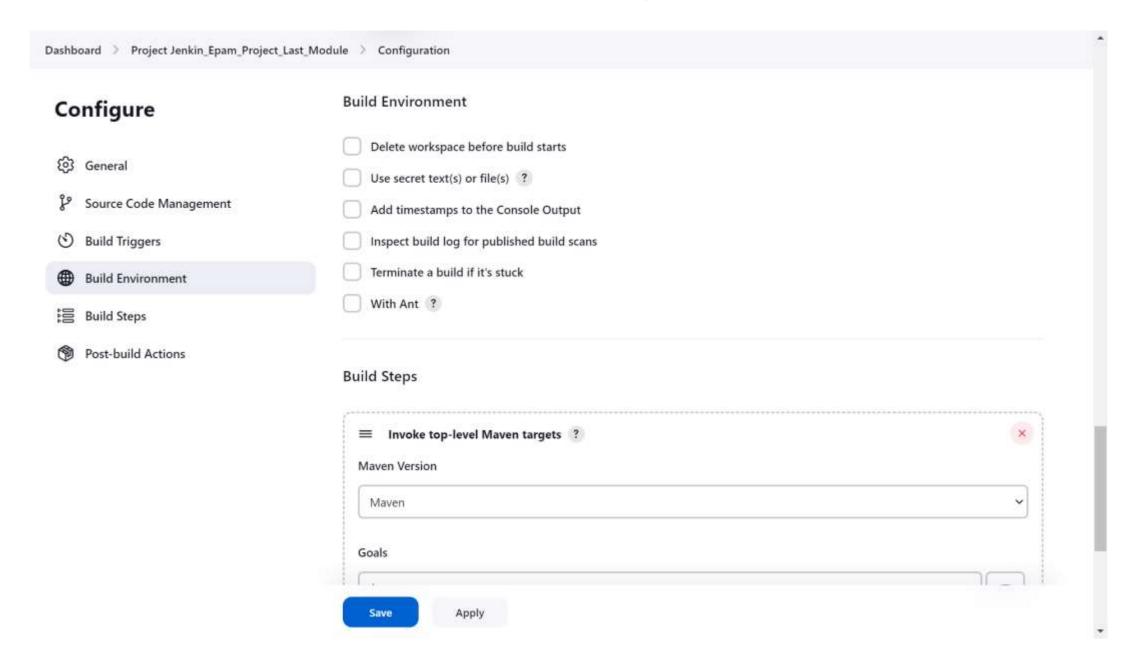
Step 10: Jenkin Configuration



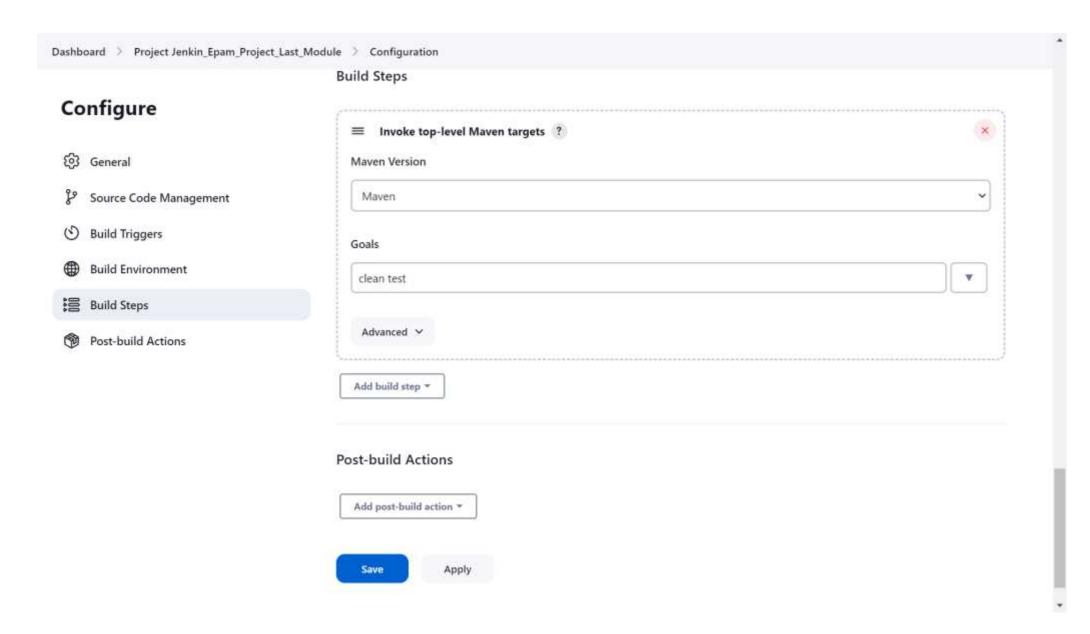
Step 11: Jenkin Configuration Build Trigger 5 Minute



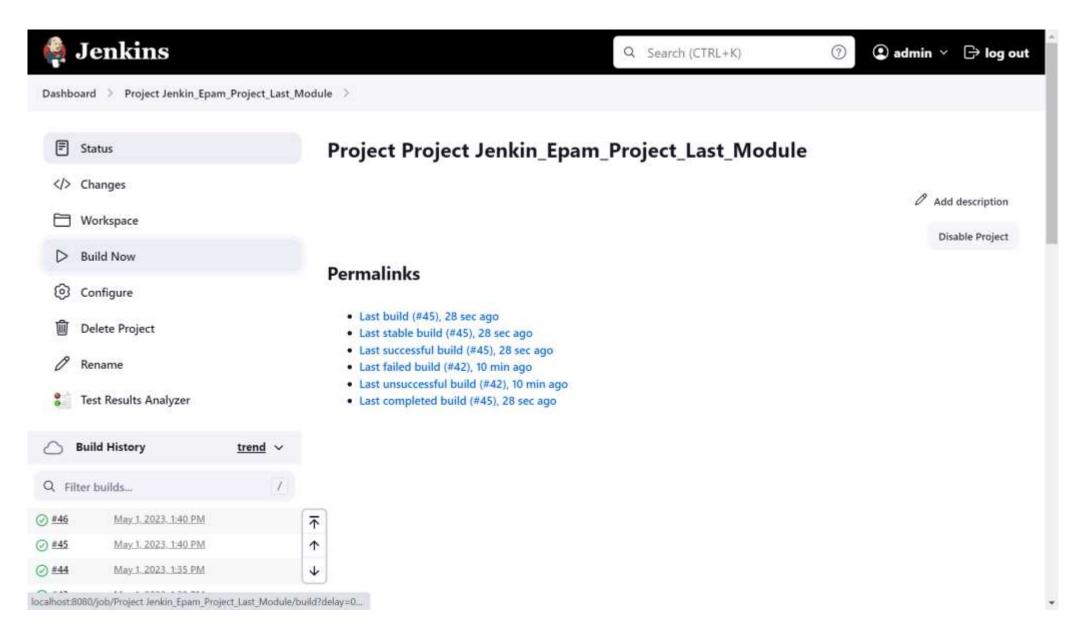
Step 12 : Jenkin Configuration



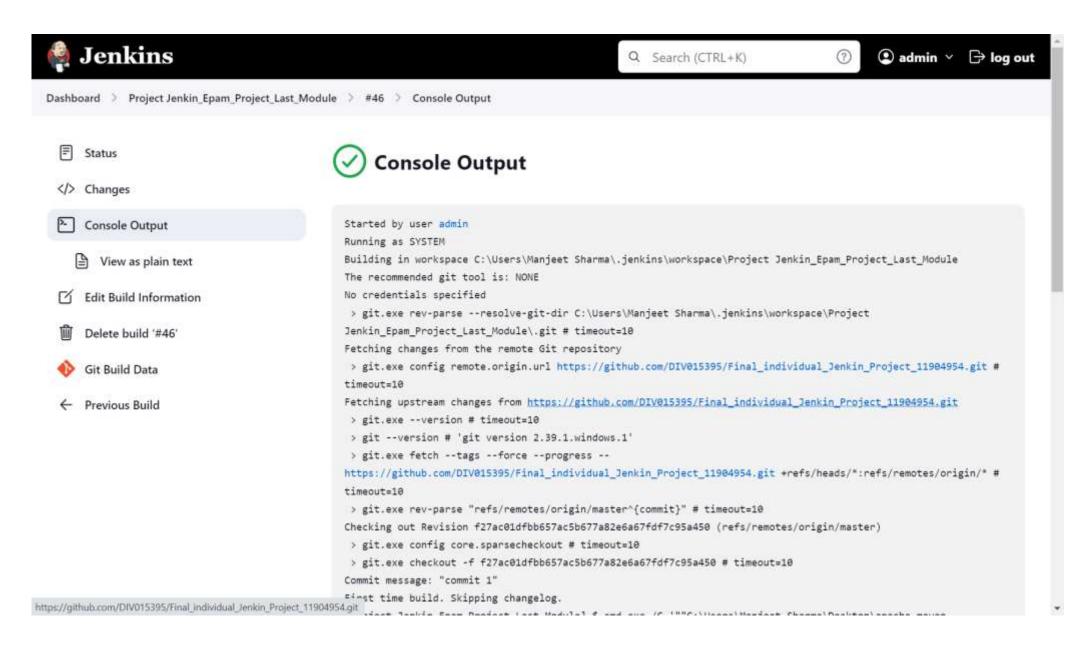
Step 13: Jenkin Configuration Maven clean test



Step 14: Jenkin Build Now Successfully



Step 15: Jenkin Console Output



Step 16 : Jenkin Console Output

Dashboard > Project Jenkin_Epam_Project_Last_Module > #46 > Console Output > git --version # 'git version 2.39.1.windows.1' > git.exe fetch --tags --force --progress -https://github.com/DIV015395/Final_individual_Jenkin_Project_11904954.git_+refs/heads/*:refs/remotes/origin/* # timeout=10 > git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10 Checking out Revision f27ac01dfbb657ac5b677a82e6a67fdf7c95a450 (refs/remotes/origin/master) > git.exe config core.sparsecheckout # timeout=10 > git.exe checkout -f f27ac01dfbb657ac5b677a82e6a67fdf7c95a450 # timeout=10 Commit message: "commit 1" First time build. Skipping changelog. [Project Jenkin_Epam_Project_Last_Module] \$ cmd.exe /C '""C:\Users\Manjeet Sharma\Desktop\apache-maven-3.9.1\bin\mvn.cmd"' clean test && exit %%ERRORLEVEL%%" [INFO] Scanning for projects... [INFO] [INFO] ------ groupId:Final_individual_Jenkin_Project_11904954 >------[INFO] Building Final_individual_Jenkin_Project_11904954 1.0-SNAPSHOT [INFO] from pom.xml [INFO] ------[jar]-----[INFO] [INFO] --- clean: 3.2.0: clean (default-clean) @ Final individual Jenkin Project 11904954 ---[INFO] [INFO] --- resources:3,3.0:resources (default-resources) @ Final_individual_lenkin_Project_11904954 ---[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent! [INFO] skip non existing resourceDirectory C:\Users\Manjeet Sharma\.jenkins\workspace\Project Jenkin_Epam_Project_Last_Module\src\main\resources [INFO] [INFO] --- compiler:3.10.1:compile (default-compile) @ Final_individual_Jenkin_Project_11904954 ---[INFO] No sources to compile [INFO]

[INFO] --- resources:3.3.0:testResources (default-testResources) @ Final_individual_Jenkin_Project_11904954 ---

Step 17: Jenkin Console Output

```
Dashboard > Project Jenkin Epam Project Last Module > #46 > Console Output
                                               [INFO]
                                               [INFO] ------ groupId:Final_individual_Jenkin_Project_11984954 >------
                                               [INFO] Building Final individual Jenkin Project 11904954 1.0-SNAPSHOT
                                               [INFO] from pom.xml
                                               [INFO] ------[ jar ]-----
                                               [INFO]
                                               [INFO] --- clean:3.2.0:clean (default-clean) @ Final individual Jenkin Project 11904954 ---
                                               [INFO]
                                               [INFO] --- resources:3.3.0:resources (default-resources) @ Final_individual_Jenkin_Project_11904954 ---
                                               [WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
                                               [INFO] skip non existing resourceDirectory C:\Users\Manjeet Sharma\.jenkins\workspace\Project
                                               Jenkin_Epam_Project_Last_Module\src\main\resources
                                               [INFO]
                                               [INFO] --- compiler:3.10.1:compile (default-compile) @ Final_individual_lenkin_Project_11904954 ---
                                               [INFO] No sources to compile
                                               [INFO]
                                               [INFO] --- resources:3.3.0:testResources (default-testResources) @ Final_individual_Jenkin_Project_11904954 ---
                                               [WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
                                               [INFO] skip non existing resourceDirectory C:\Users\Manjeet Sharma\.jenkins\workspace\Project
                                               Jenkin_Epam_Project_Last_Module\src\test\resources
                                               [INFO]
                                               [INFO] --- compiler:3.10.1:testCompile (default-testCompile) @ Final_individual_Jenkin_Project_11904954 ---
                                               [INFO] No sources to compile
                                               [INFO]
                                               [INFO] --- surefire:3.0.0:test (default-test) @ Final_individual_Jenkin_Project_11904954 ---
                                               [INFO] No tests to run.
                                               [INFO] BUILD SUCCESS
                                               [INFO] ------
                                               [INFO] Total time: 1.046 s
                                               [INFO] Finished at: 2023-05-01T13:40:37+05:30
```

Step 18: Jenkin Console Output

```
Dashboard > Project Jenkin Epam Project Last Module > #46 > Console Output
                                            [INFO] --- resources:3.3.0:resources (default-resources) @ Final individual Jenkin Project 11904954 ---
                                            [WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
                                            [INFO] skip non existing resourceDirectory C:\Users\Manjeet Sharma\.jenkins\workspace\Project
                                            Jenkin_Epam_Project_Last_Module\src\main\resources
                                            [INFO]
                                            [INFO] --- compiler: 3.10.1:compile (default-compile) @ Final individual Jenkin Project 11904954 ---
                                            [INFO] No sources to compile
                                            [INFO]
                                            [INFO] --- resources: 3.3.0:testResources (default-testResources) @ Final individual Jenkin Project 11904954 ---
                                            [MARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
                                            [INFO] skip non existing resourceDirectory C:\Users\Manjeet Sharma\.jenkins\workspace\Project
                                            Jenkin_Epam_Project_Last_Module\src\test\resources
                                            [INFO]
                                            [INFO] --- compiler:3.10.1:testCompile (default-testCompile) @ Final_individual_lenkin_Project_11904954 ---
                                            [INFO] No sources to compile
                                            [INFO]
                                            [INFO] --- surefire:3.0.0:test (default-test) @ Final_individual_Jenkin_Project_11904954 ---
                                            [INFO] No tests to run.
                                            [INFO] -------
                                            [INFO] BUILD SUCCESS
                                            [INFO] Total time: 1.046 s
                                            [INFO] Finished at: 2023-05-01T13:40:37+05:30
                                            [INFO] ------
                                            Finished: SUCCESS
```