Module 3: Git And Jenkins

Assignment - 2 Solution

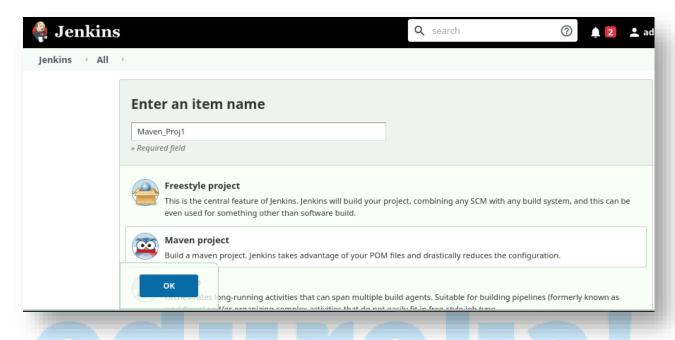
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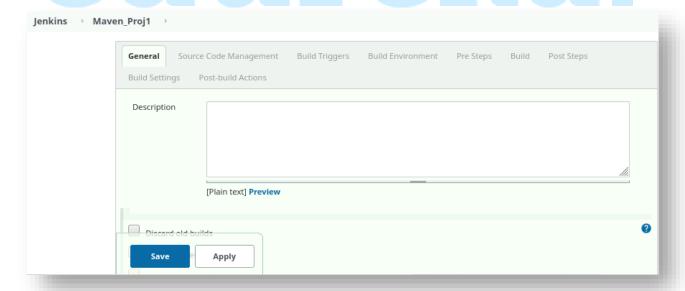
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Assignment 2 - Solution

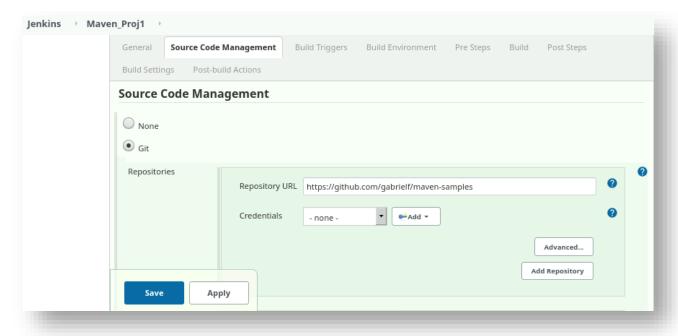
- Step 1: Go to Jenkins Dashboard and click on the new item.
- Step 2: Enter the project name and select Maven Project.



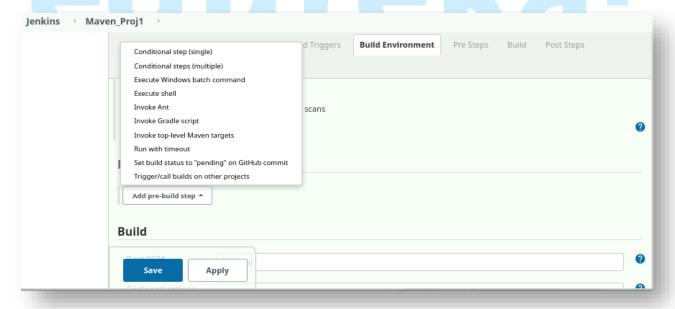
Step 3: Go to configure and start configuring your job.

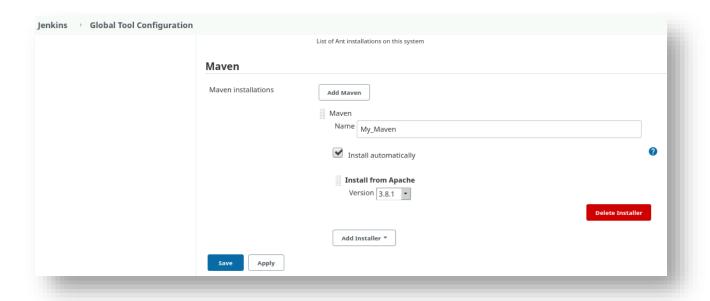


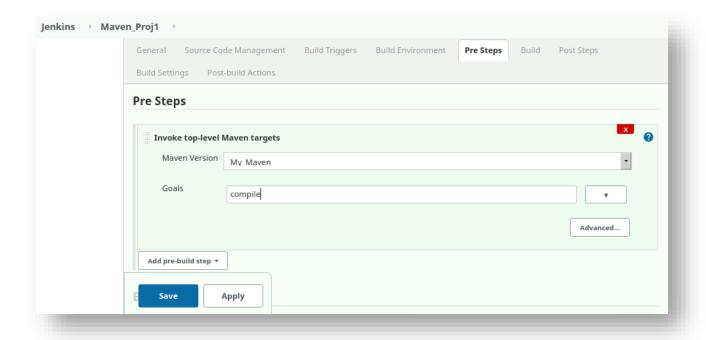
Step 4: Go to Source Code Management and select the git option and provide the repository path from where you are pulling the code.



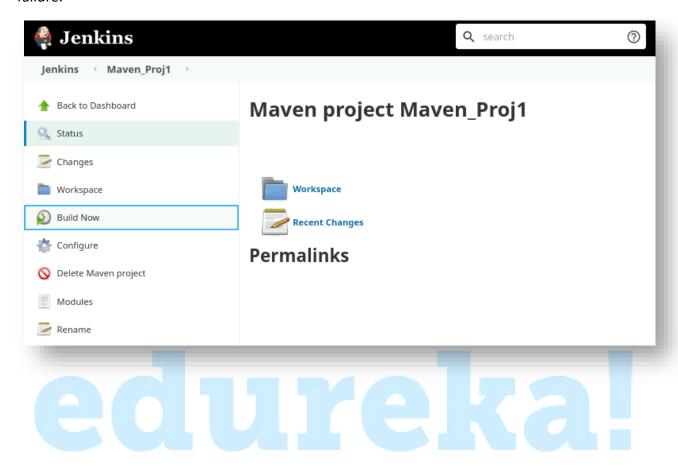
Step 5: Click on invoke top-level Maven targets and define the maven goal for your job. If you have not downloaded the Maven plugin, then go to manage plugin —> Global tool configuration, and download the Maven plugin for your Jenkins.

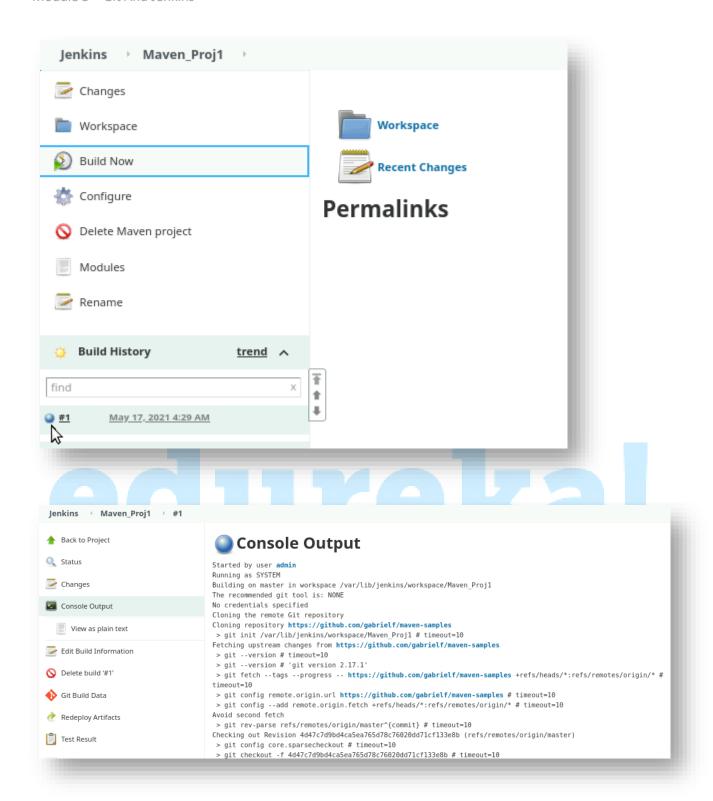






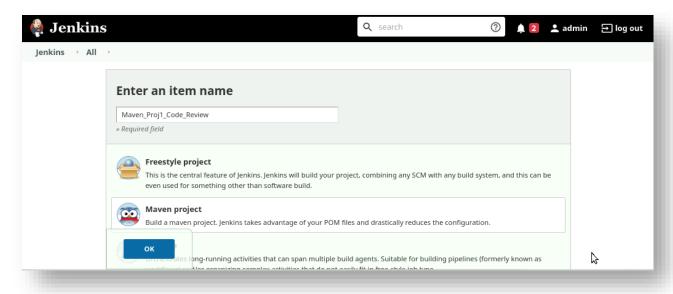
Step 6: Go to build now and then check your console output by clicking on the blue or red dot, whichever comes after the build. Blue is a sign for a successful build, whereas red is for build failure.







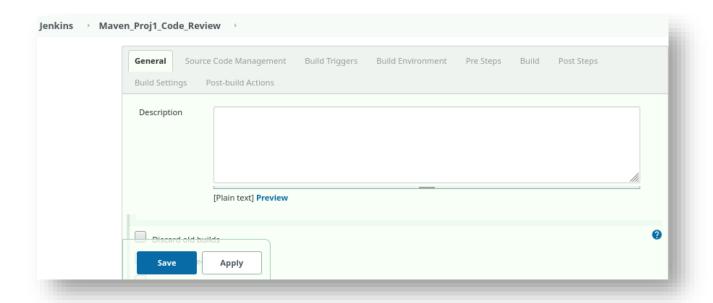
Step 7: Now, create a new job, and it will also be a Maven project.

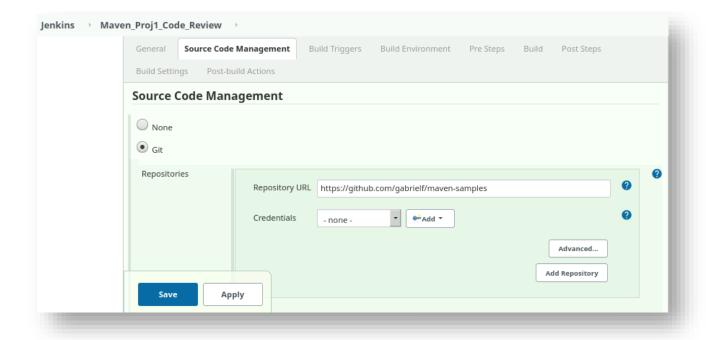


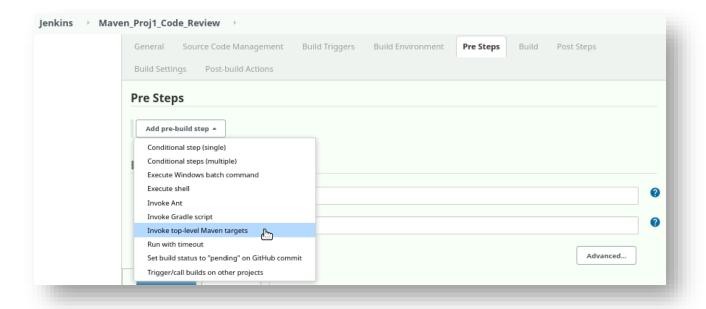
Step 8: Configure the job by providing the git path and defining the job goals.

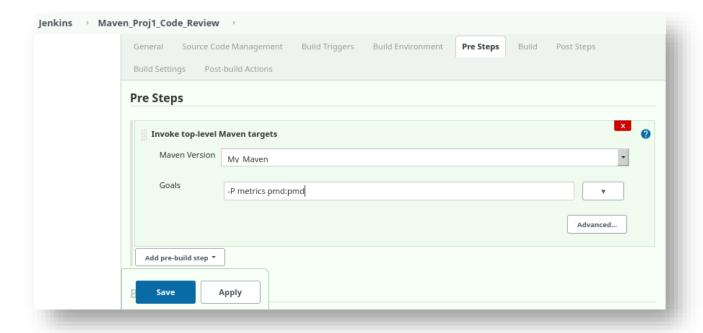
Below is the link to the Github repository path.

https://github.com/gabrielf/maven-samples

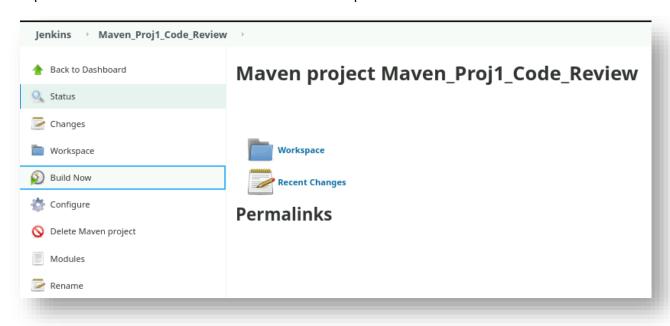


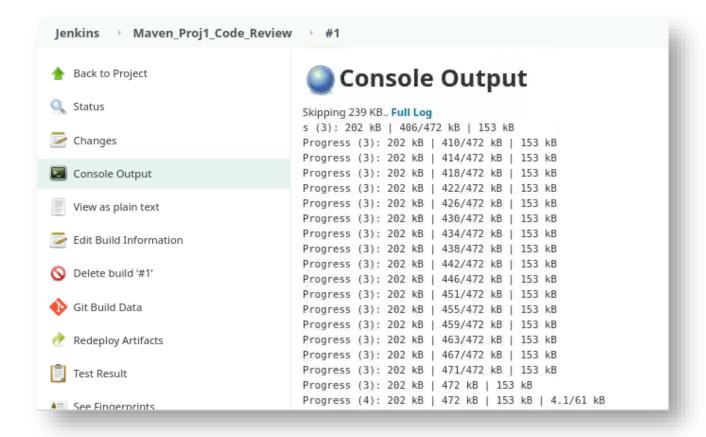






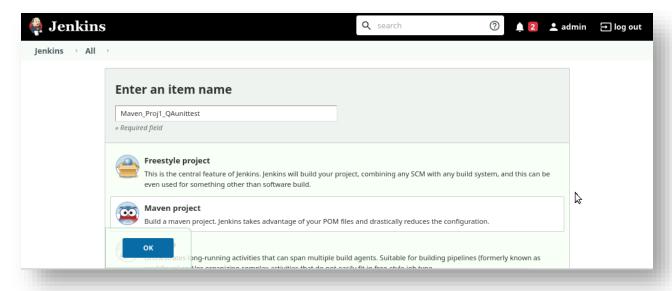
Step 9: Click on build now and check the console output.



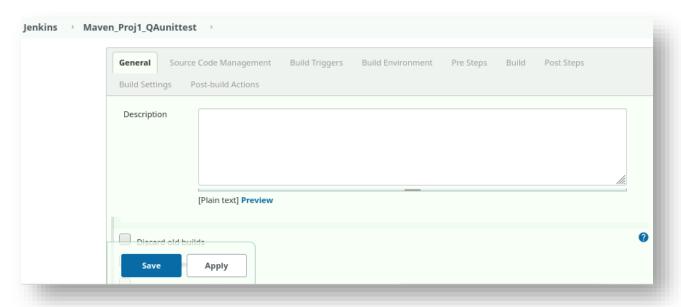


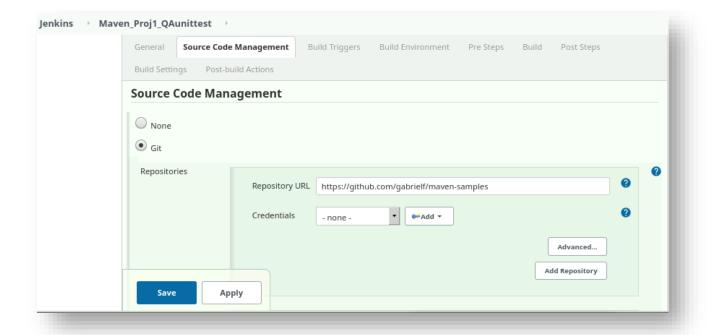


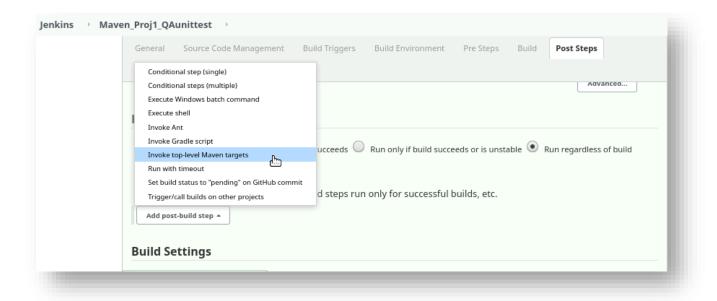
Step 10: Now, create a new job which will also be a Maven project.

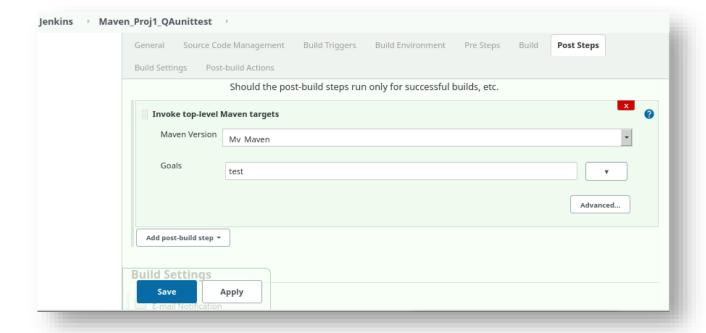


Step 11: Configure the job by providing the git path and defining the job goals.

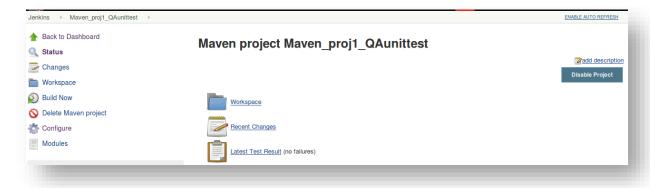


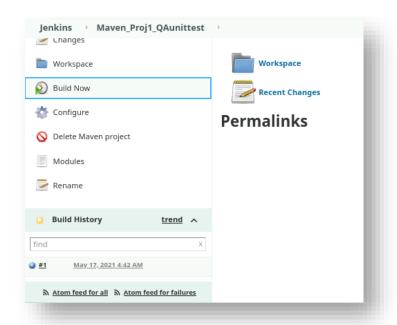


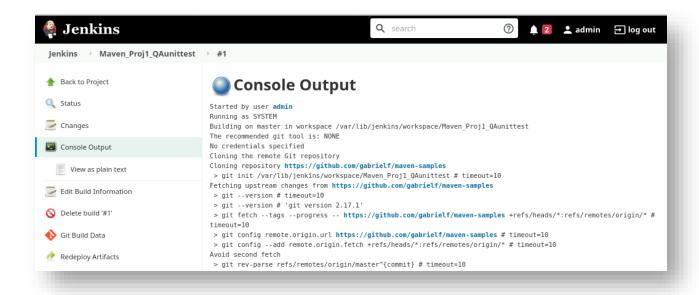


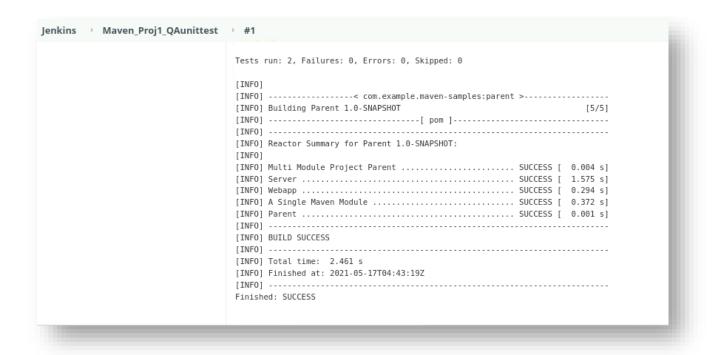


Step 12: Click on build now and go on console output after the job is built.

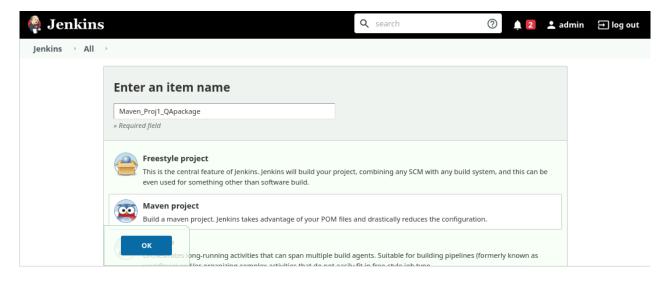




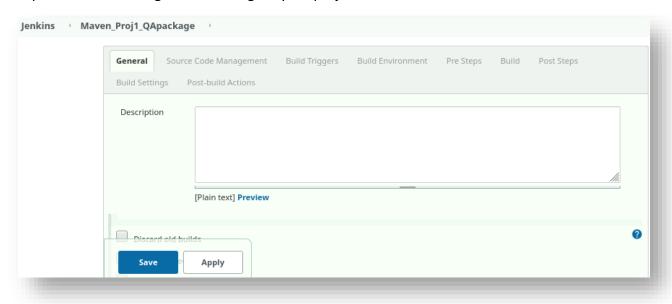


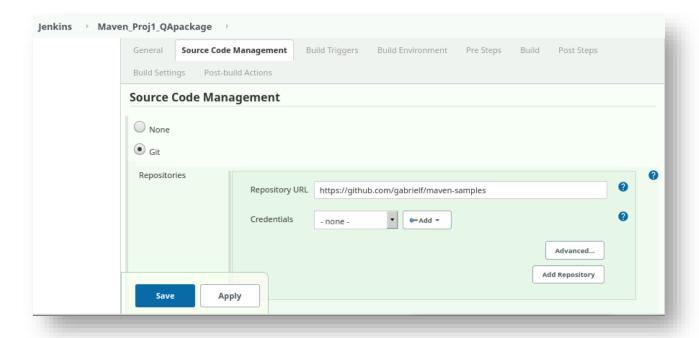


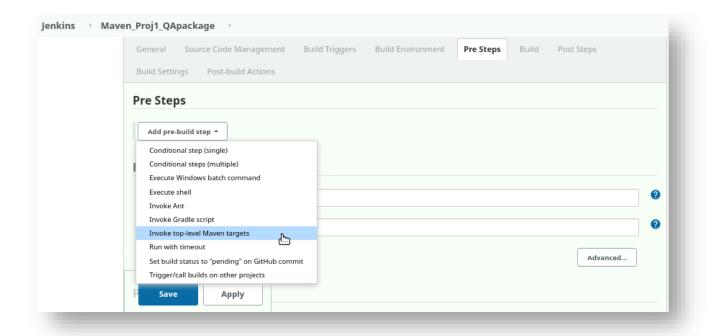
Step 13: Now, create a new job, and it will also be a Maven project.



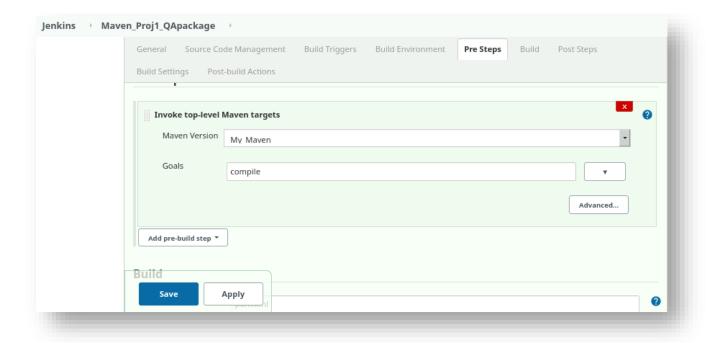
Step 14: Click on configure and configure your project.



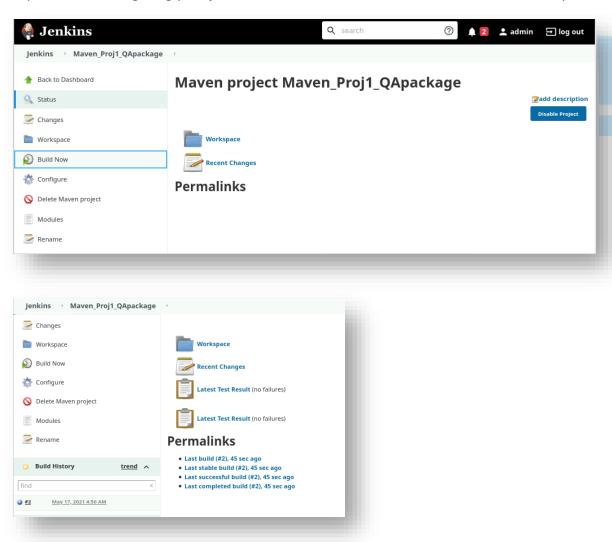


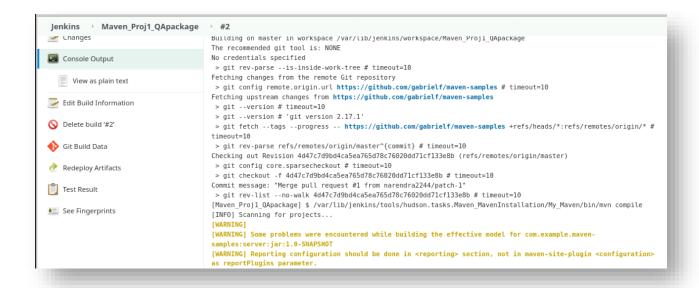


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Step 15: After configuring your job, click on build now and then check the console output.





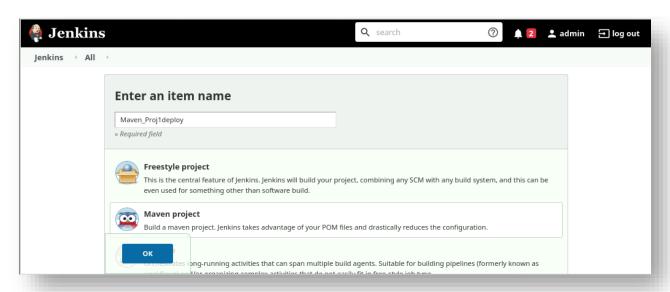


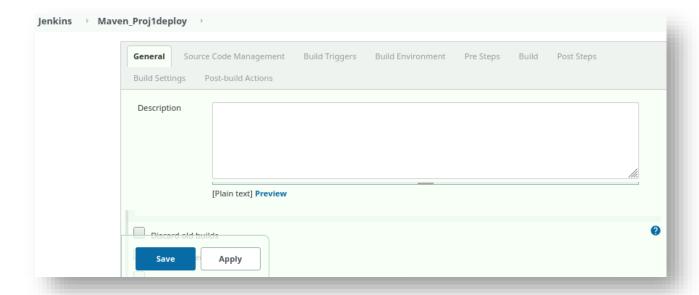
Step 16: If the job is successfully built, go to the below path and find your webapp.war file.

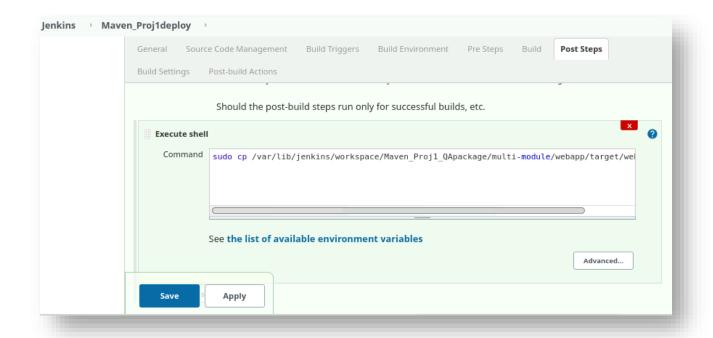
\$ cd /var/lib/Jenkins/workspace/Maven_proj1_QApackage/multi-module/webapp/target
\$ ls

edureka@kmaster:~\$ cd /var/lib/jenkins/workspace/Maven_Proj1_QApackage/multi-module/webapp/target/
edureka@kmaster:/var/lib/jenkins/workspace/Maven_Proj1_QApackage/multi-module/webapp/target\$ ls
edureka@kmaster:/var/lib/jenkins/workspace/Maven_Proj1_QApackage/multi-module/webapp/target\$

Step 17: After building the war file, create another job to deploy the war file over the tomcat server.







Copy the given code and paste it in the Execute shell command:

/var/lib/jenkins/workspace/Maven_Proj1_QApackage/multi-module/webapp/target/webapp.war /opt/tomcat/webapps/





Step 18: After building the job, go to the address http://localhost:8090/webapp and you can see the below output.

