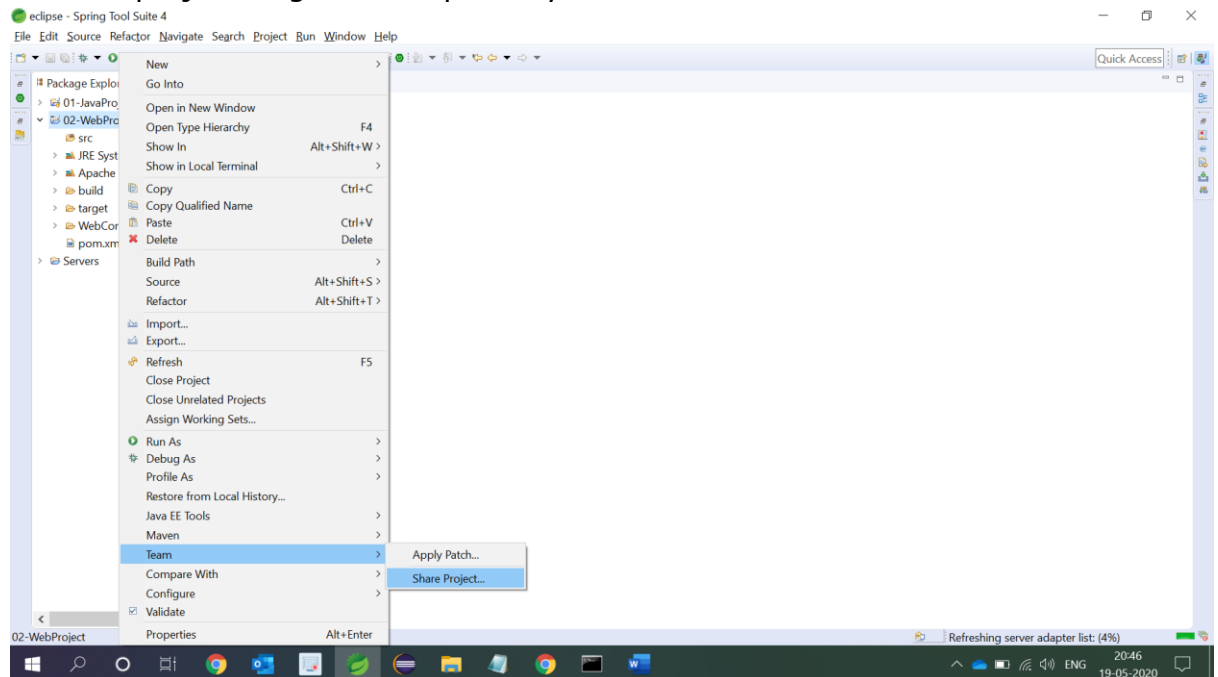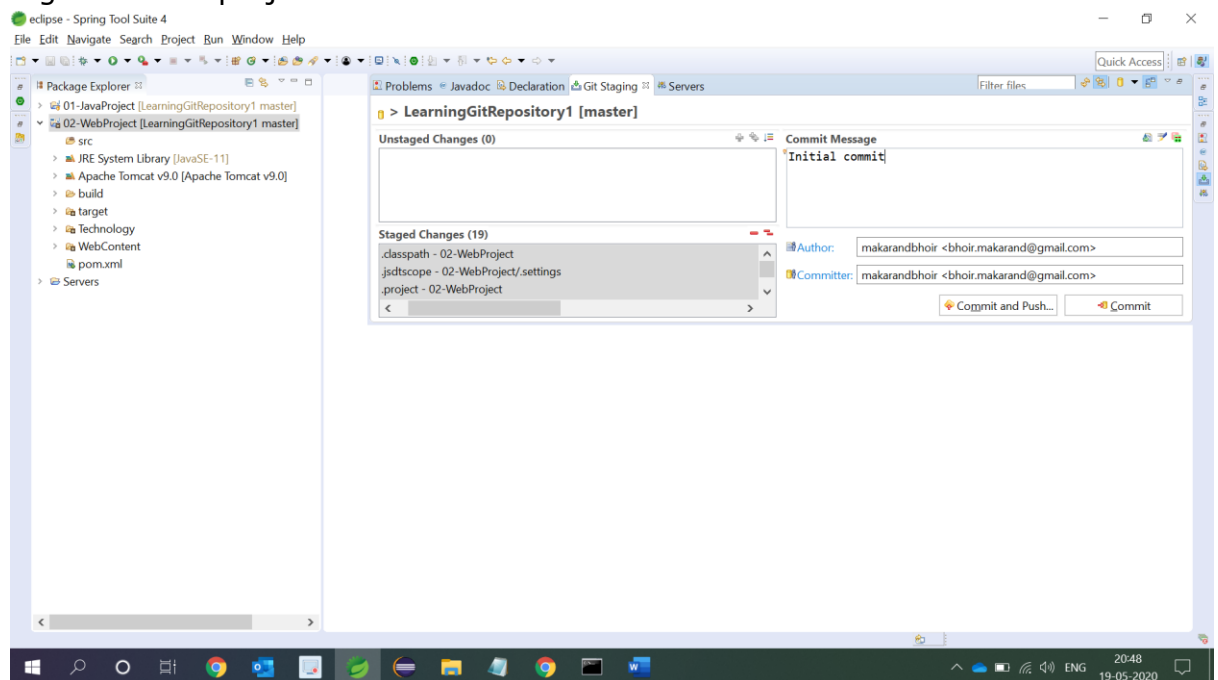# 1 Jenkins Guide with Makarand– Pipeline (Compile→Test→Package→Deploy)

1. Create maven-based web project in the eclipse
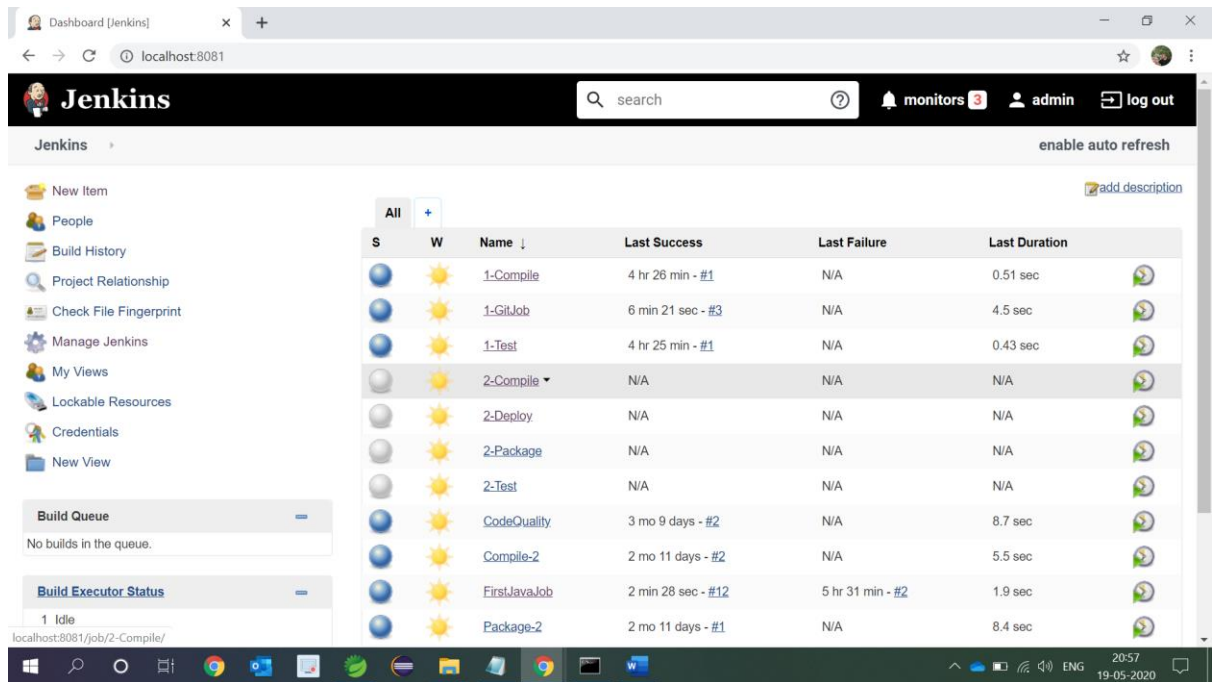2. Add the project to git local repository

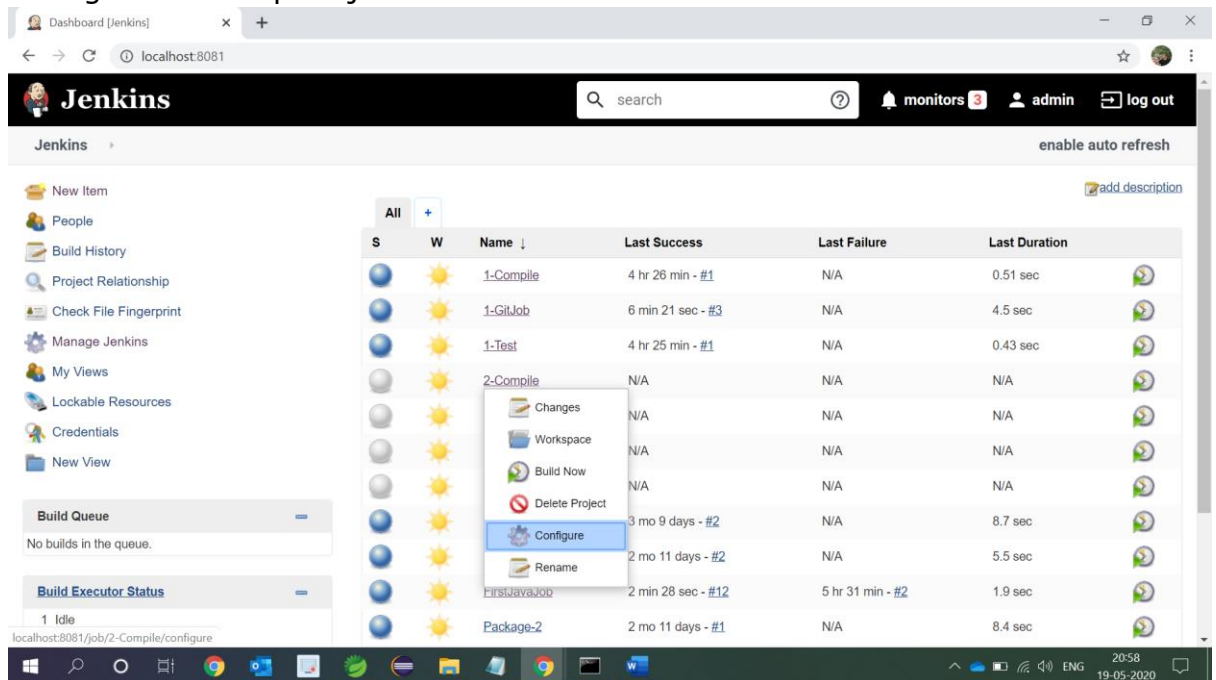3. Right click on project → Team → Commit... Then "Commit and Push"

4. Switch to Jenkins and create 4 new job "2-Compile", "2-Test", "2-Package" and "2-Deploy" as "Freestyle project"
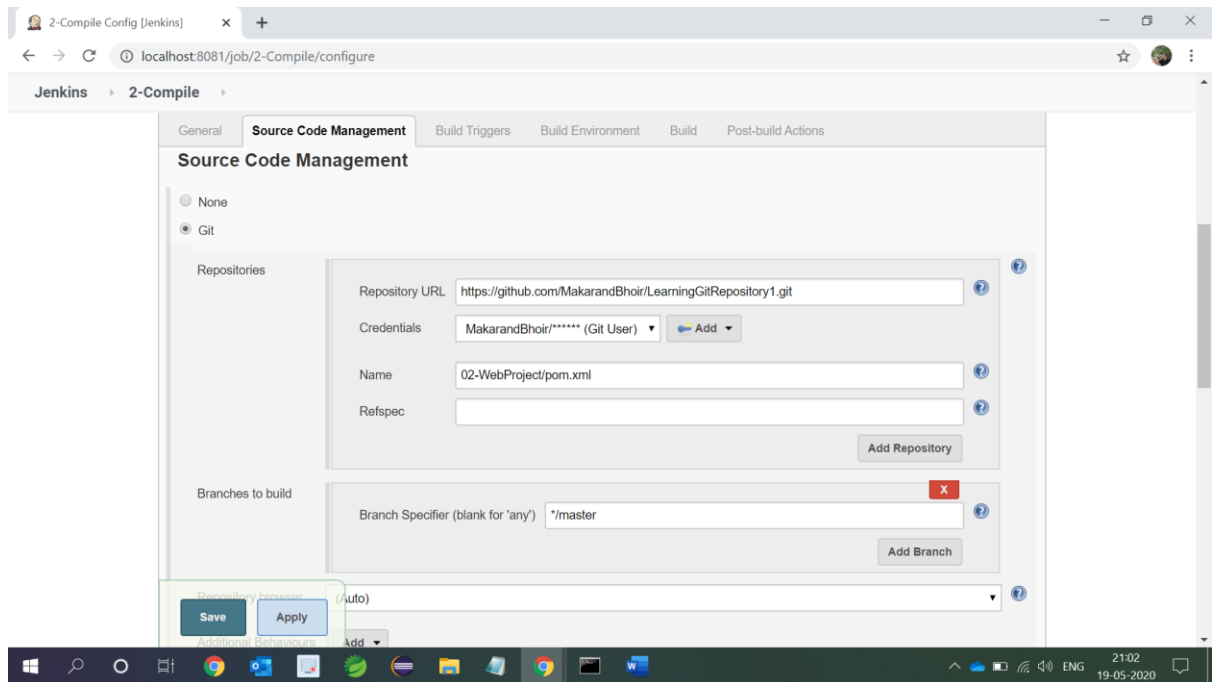
5. Configure "2-Compile" job
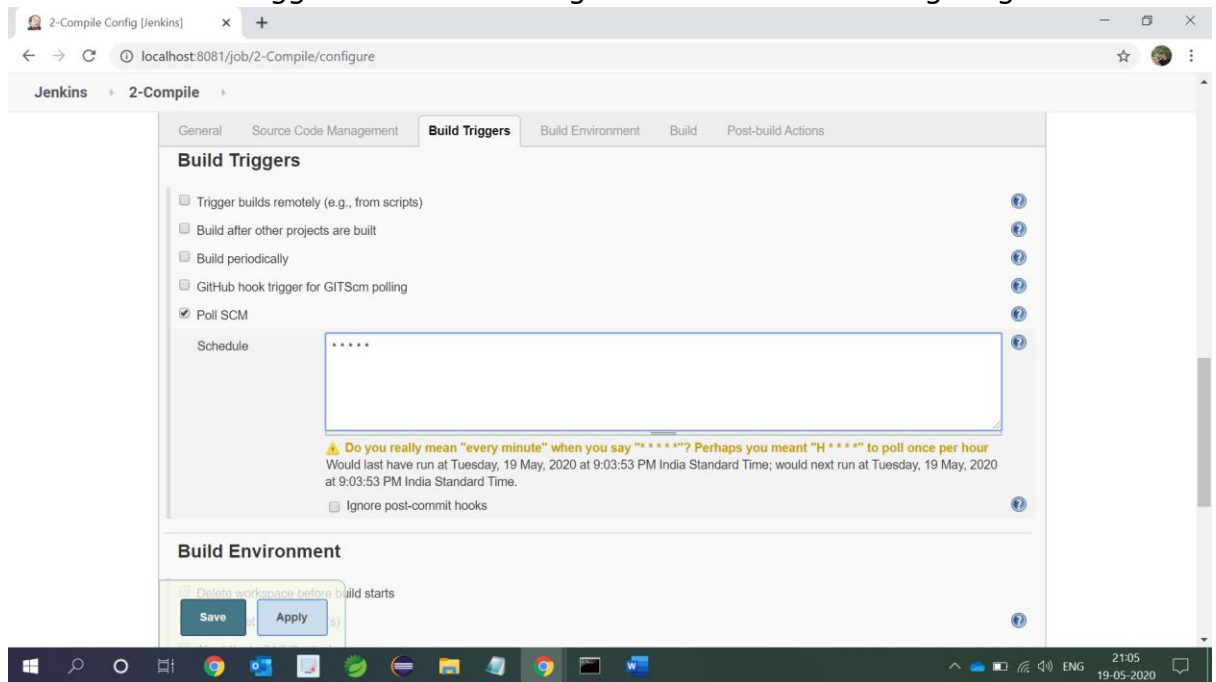

6. Go to "Source code management" section → Enter git repository URL →
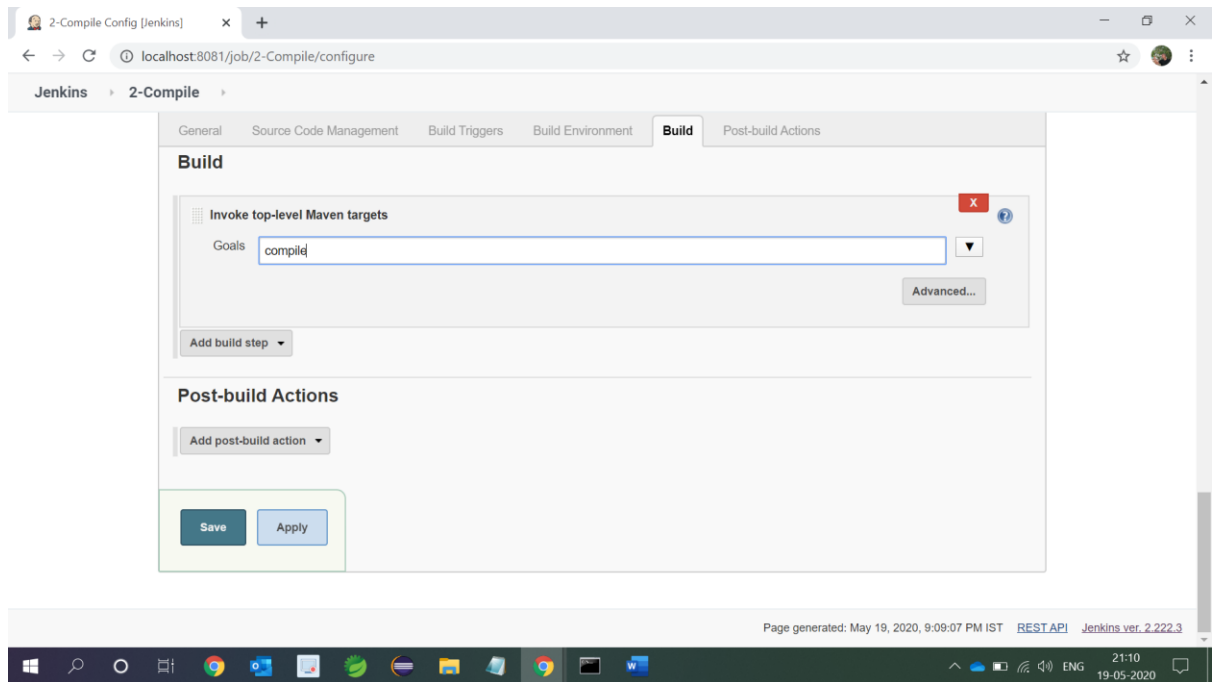   Enter git credentials → Advance → ProjectName/pom.xml

7. Click on "Build Triggers" tab and configure as show in following diagram

8. Click on "Build" tab → "Invoke top level Maven target"

9. Click on "Advanced" button and enter following
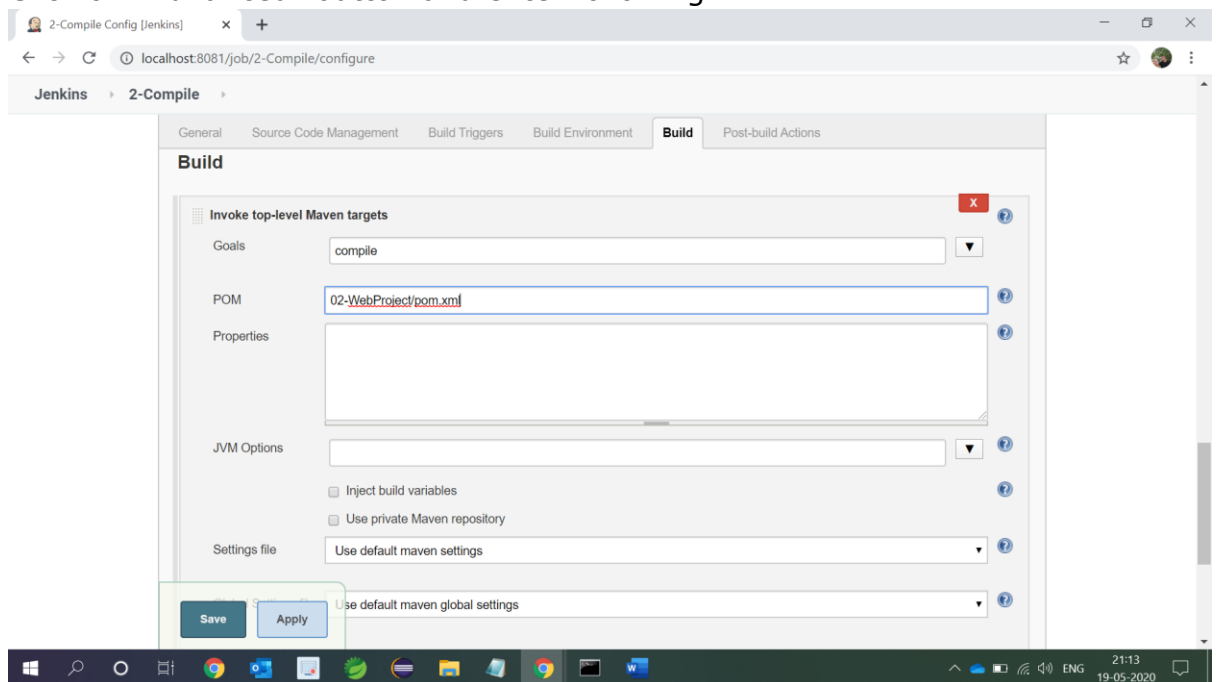
10. Click on "Post-build Actions" tab → Build other project

11. Enter project to build → "2-Test" and click on "Save" button
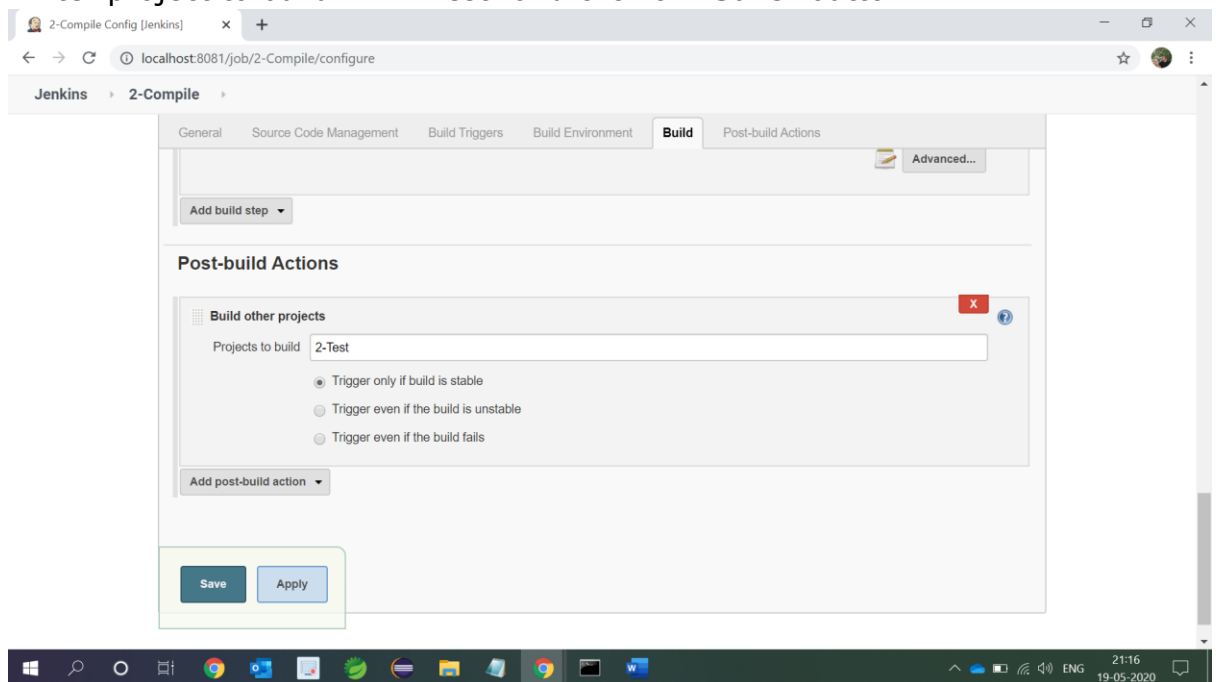
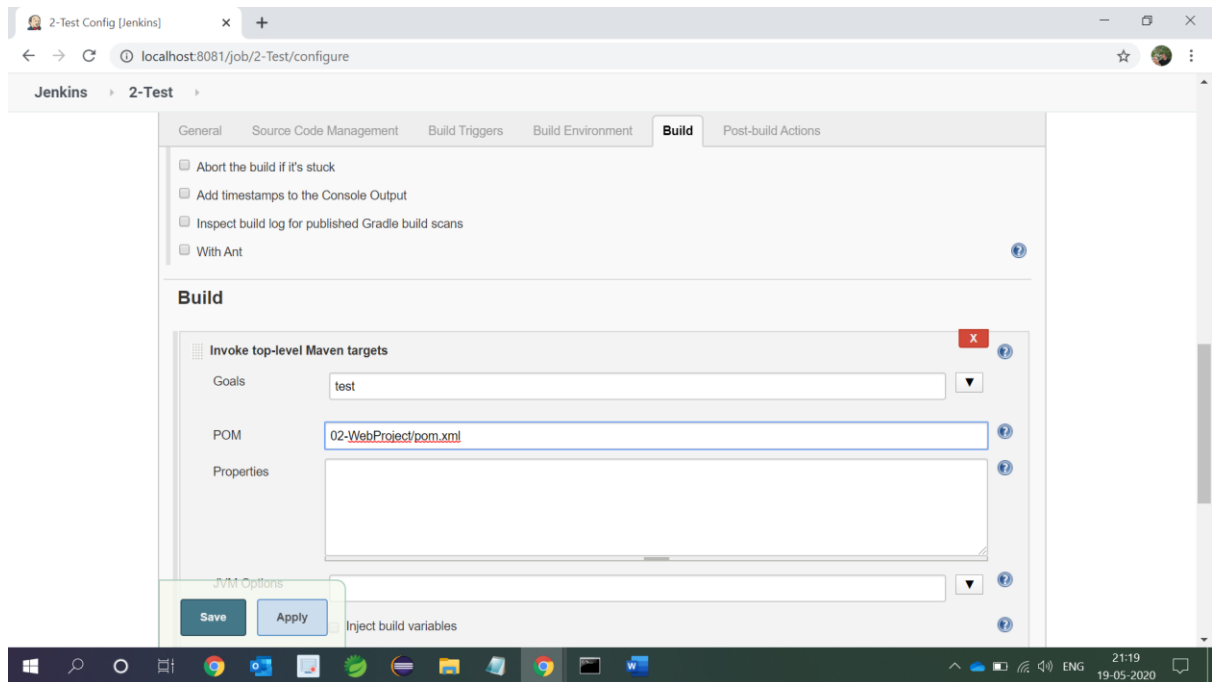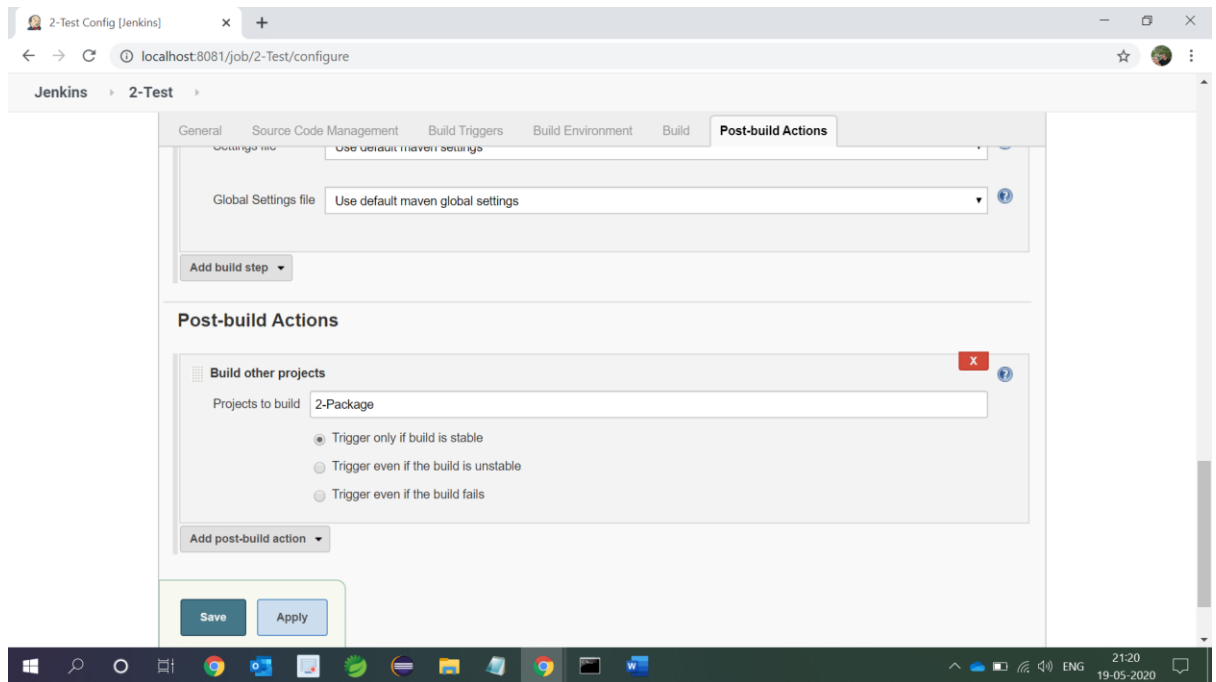12. Go to "Source Code Management" tab and add same git url

13. Next, configure "2-Test" job → Click on "Build" tab and do following configuration as shown in diagram

14. Click on "Post-Build Actions" tab

15. Just like "2-Test" job repeat steps for "2-Package" job

16. Go to "Source Code Management" tab and add same git url

17. For "2-Package" Post-build Action set "2-Deploy" job
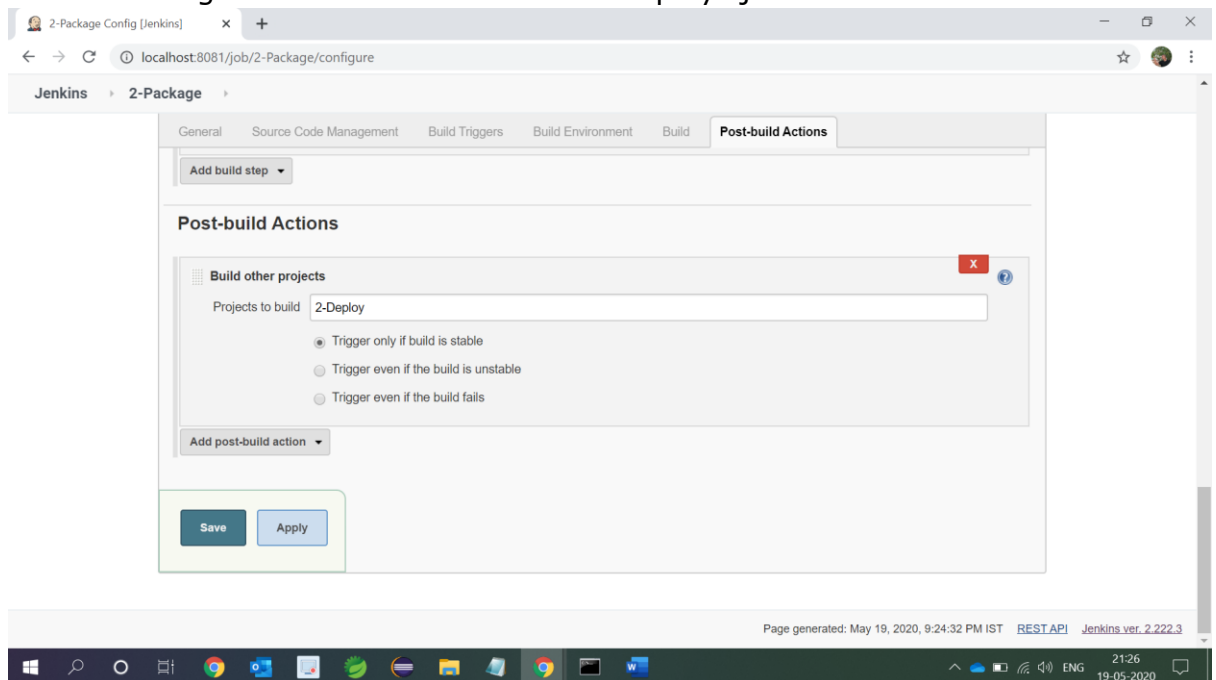
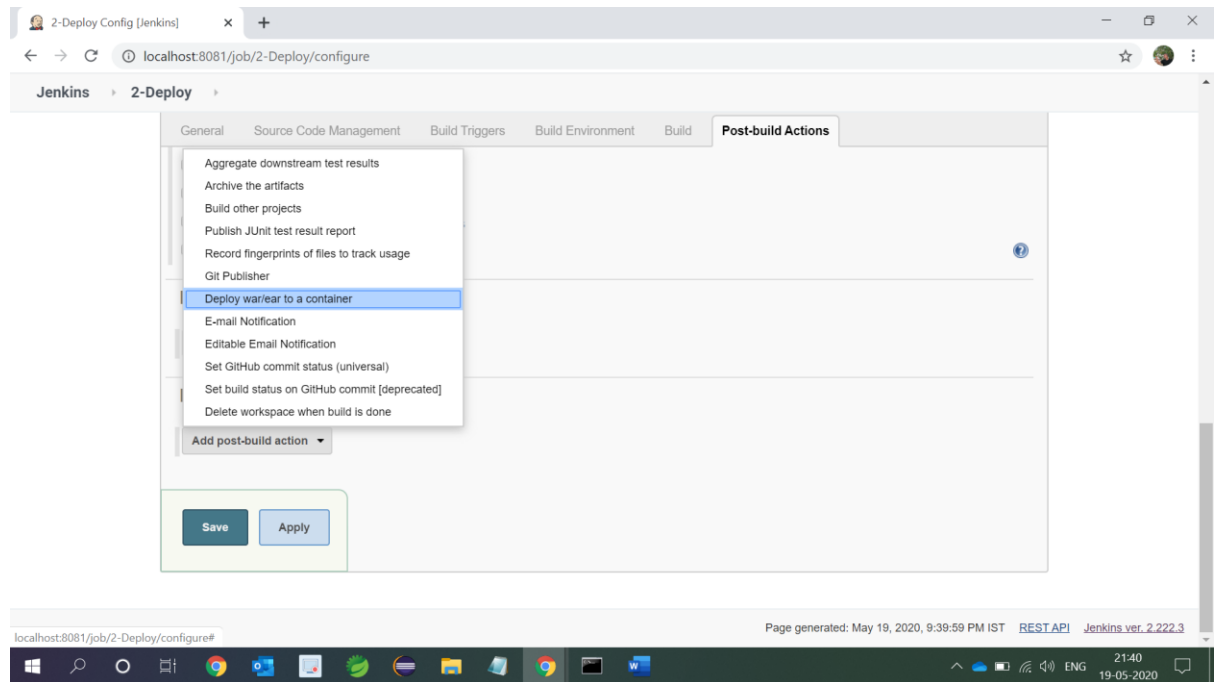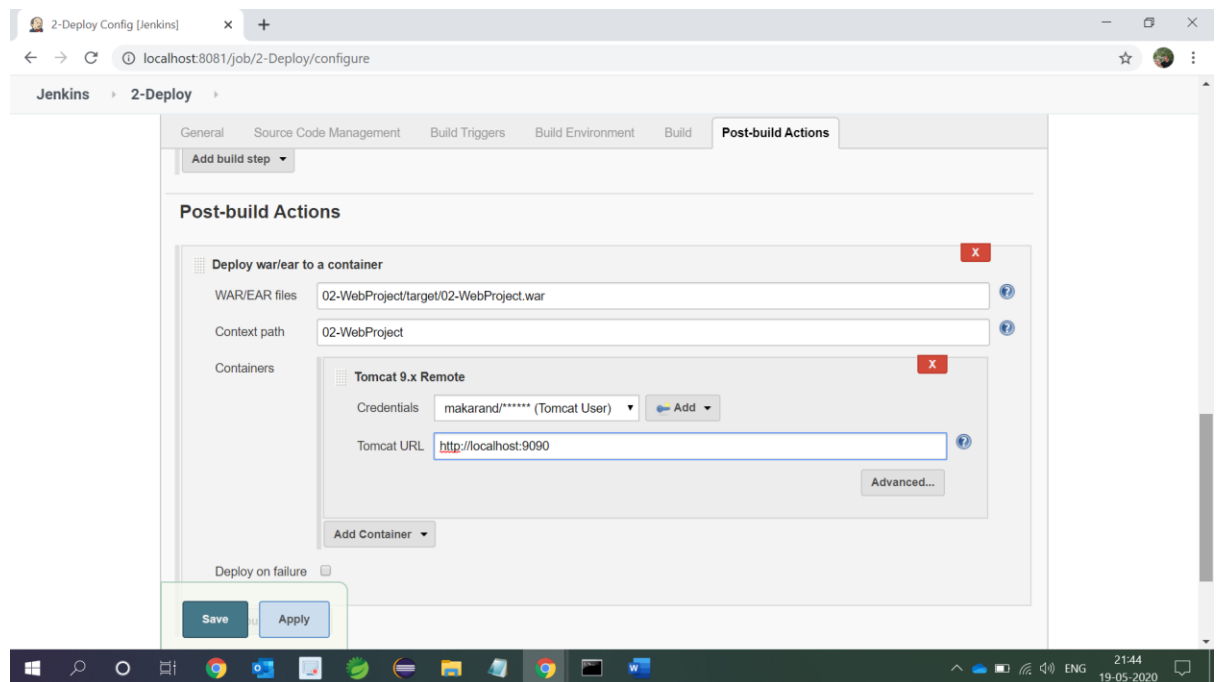18. Configure "2-Deploy" job → Post-build Action → Deploy war/ear to a container. (You should have "Deploy to container" plugin)

19. Enter the configuration as specified in following diagram

20. Go to "Source Code Management" tab and add same git url

21. Our pipeline created now go and add/modify file in your 02-WebProject into the eclipse and push it to the git

22. Pushing to Git → will trigger 2-Compile → 2-Test → 2-Package → 2-Deploy → War file will be deployed to the tomcat server