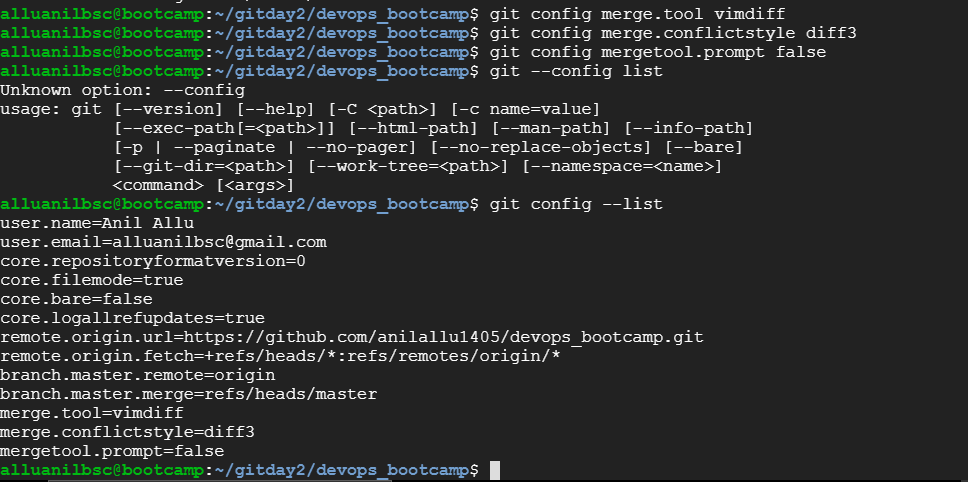
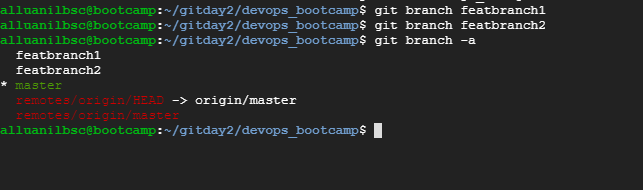
Assignment – Day2

# Git

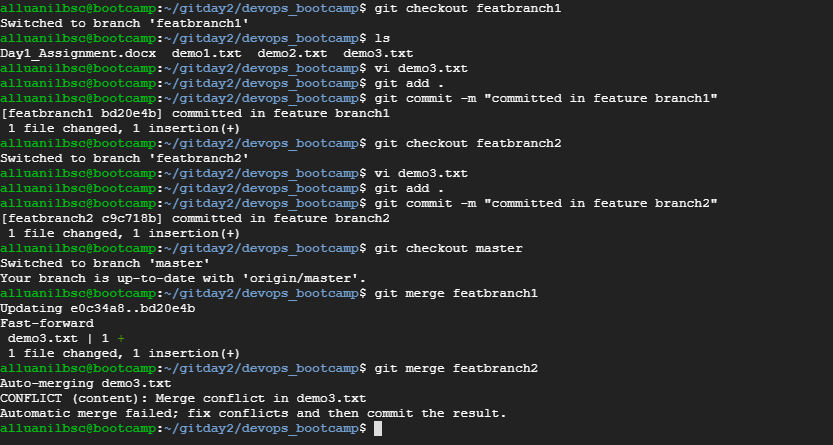
### Configured vimdiff as merge tool



### Created 2 separate branches from master

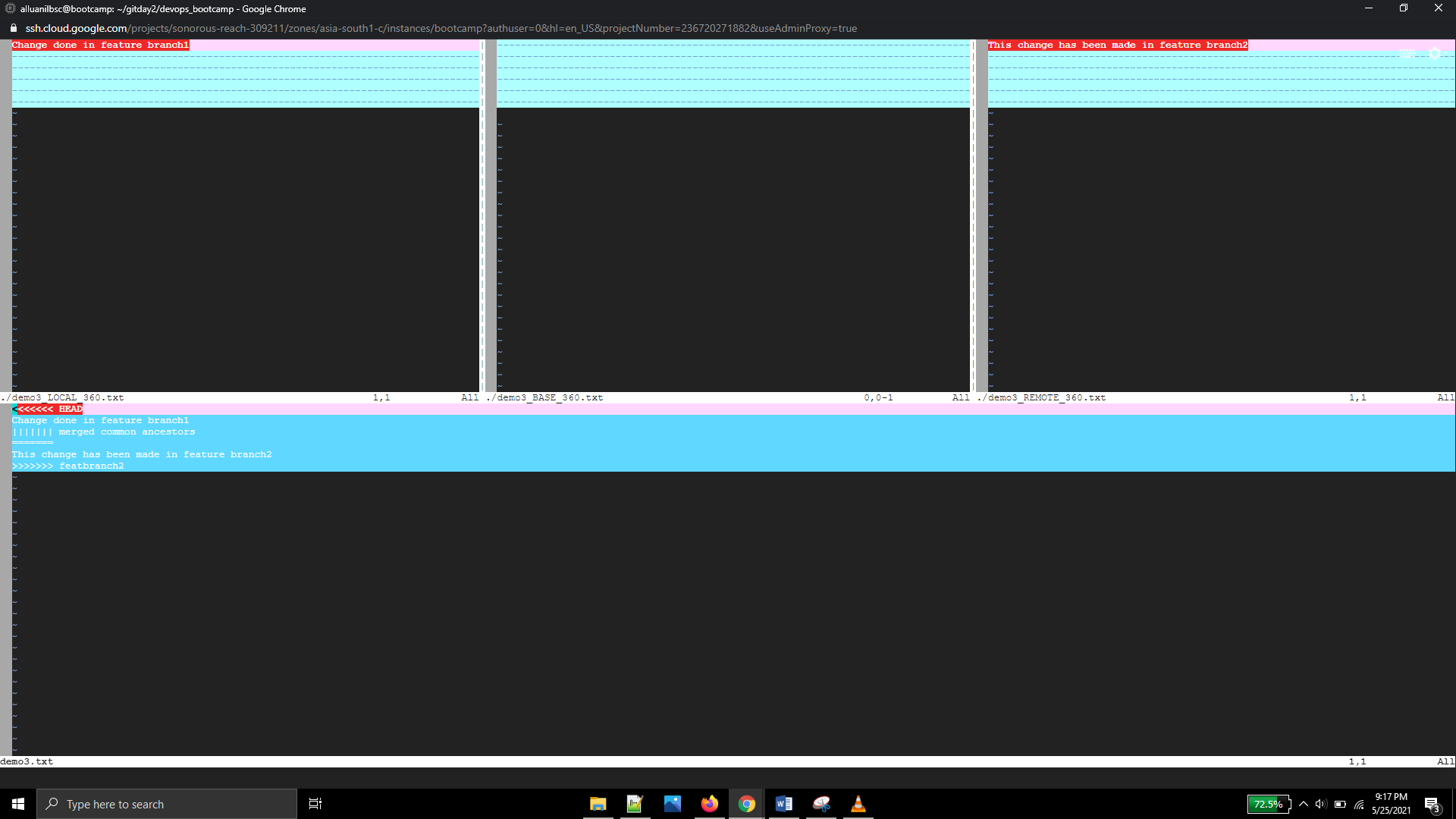


### Merged branch1 into master & tried merging branch 2 into master(merge conflict arised)

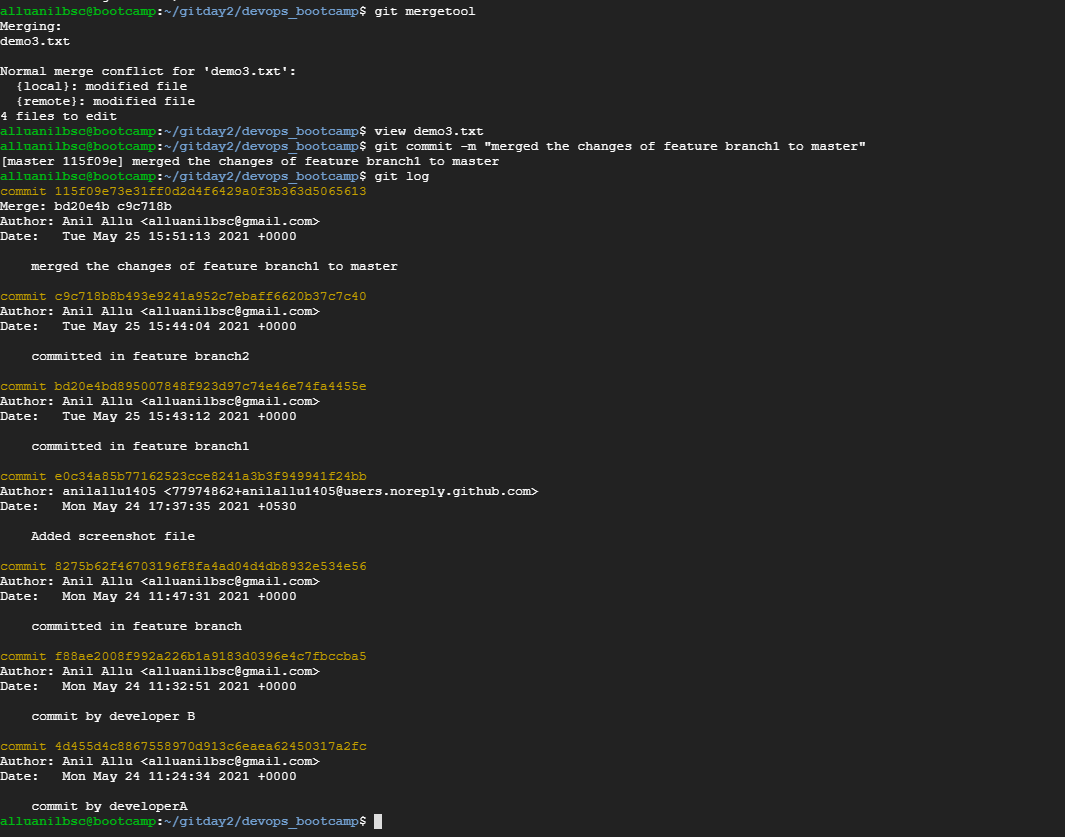


### Merging using vimdiff merge tool

Vimdiff gui after executing “git mergetool” command

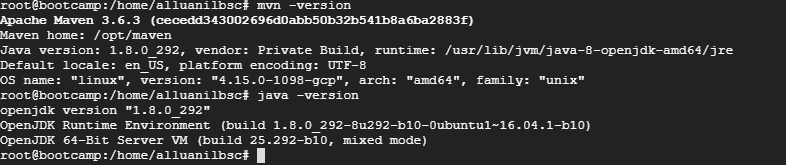


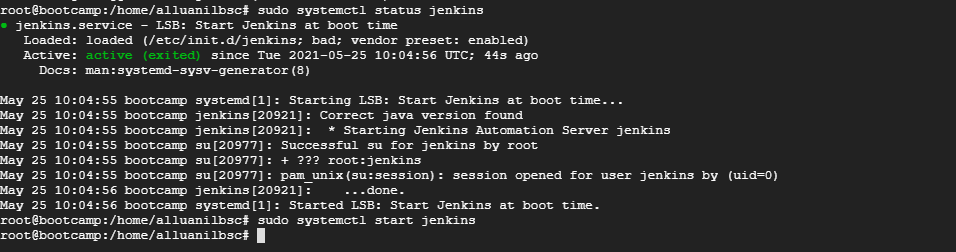
### Resolving merge conflict



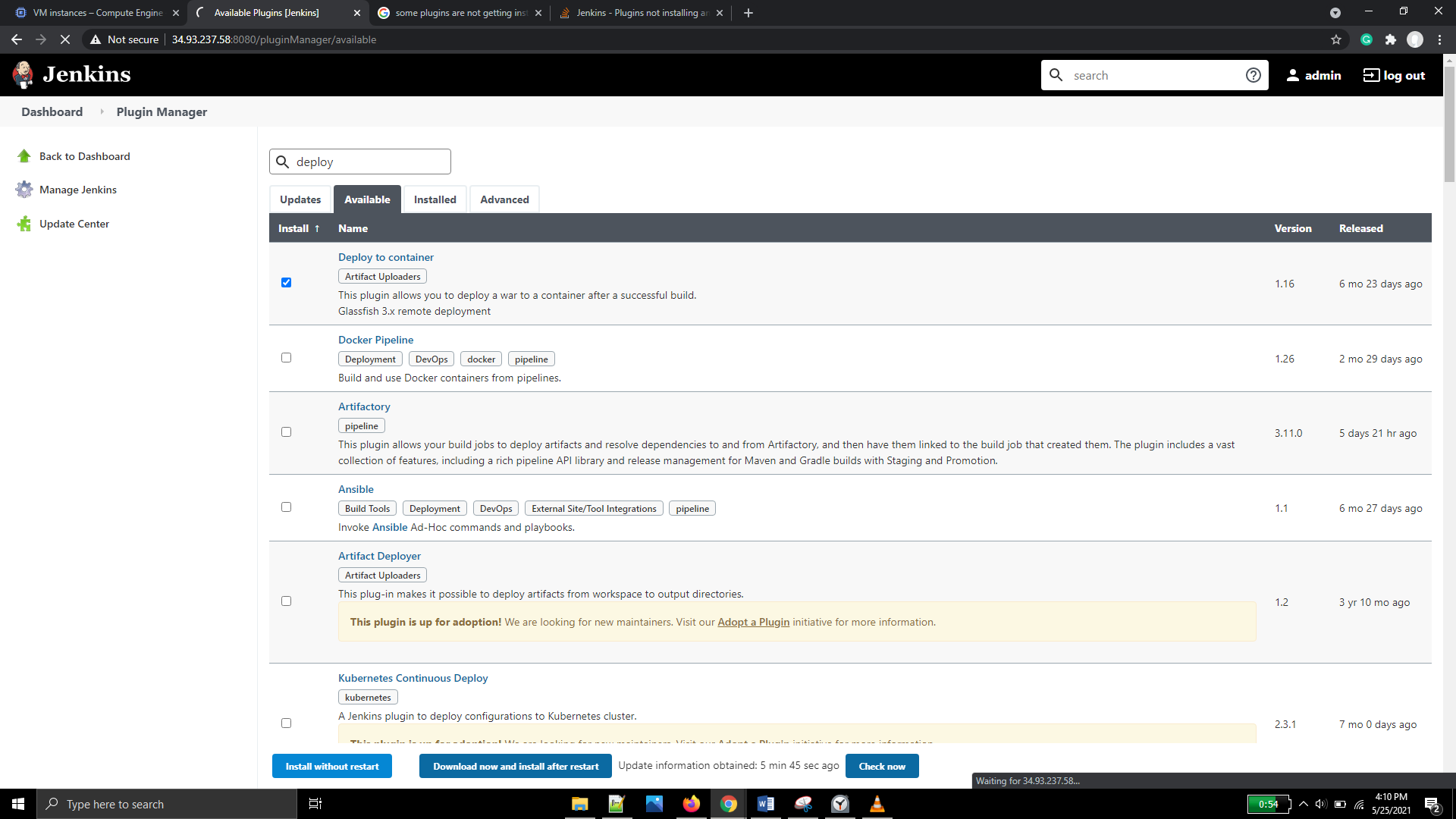
# Jenkins

### Jenkins, Maven and tomcat installation

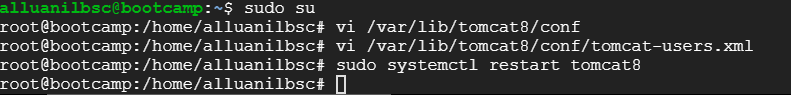


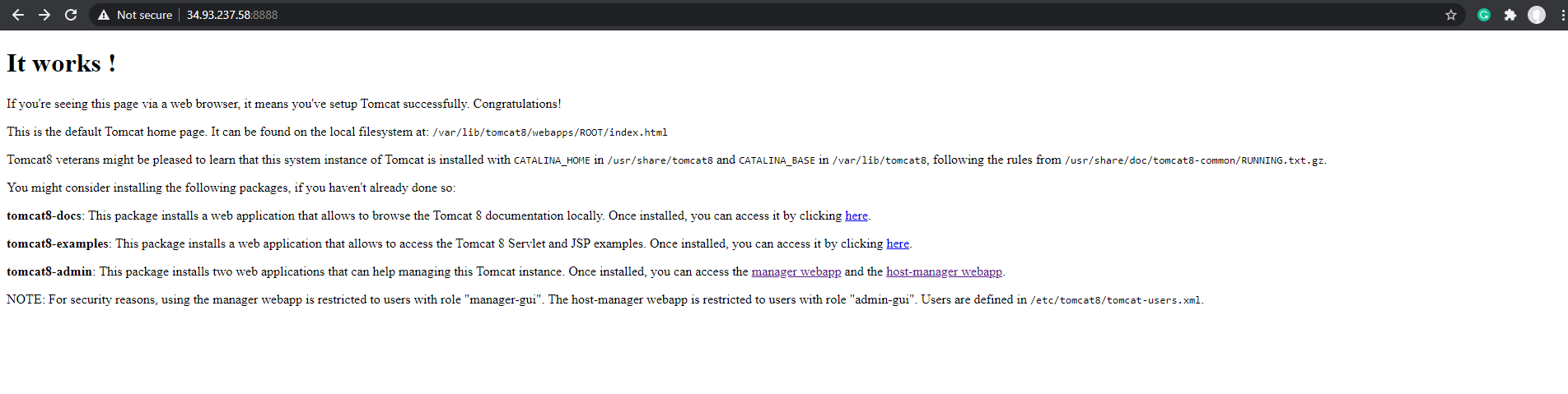


After setting up Jenkins, installed deploy to container plugin

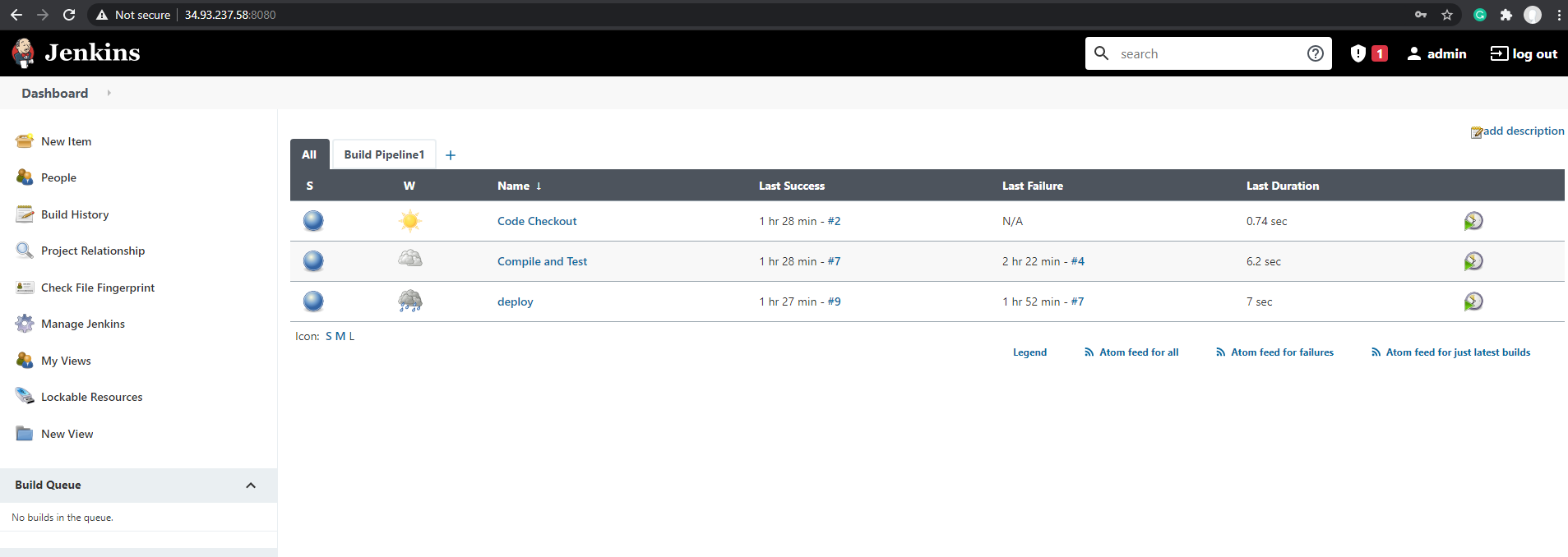


Installed tomcat8 (as few issues were faced during installation in GCP Ubuntu 18.04 instance)

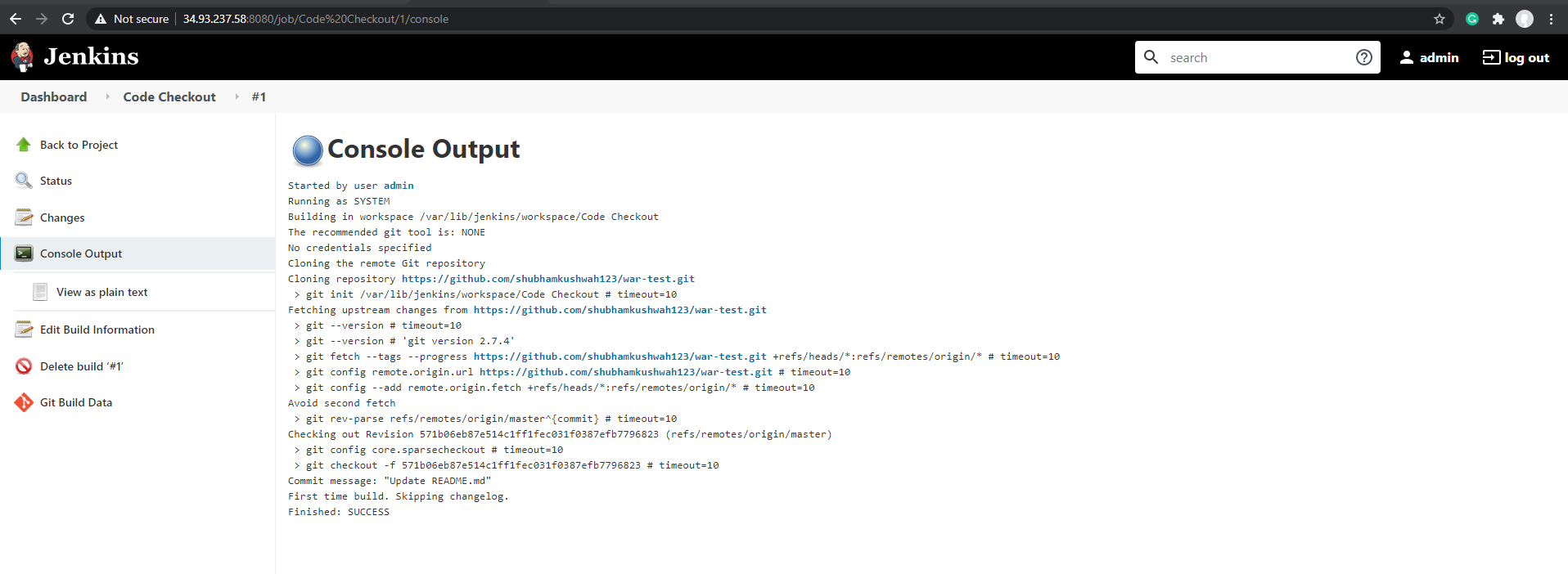




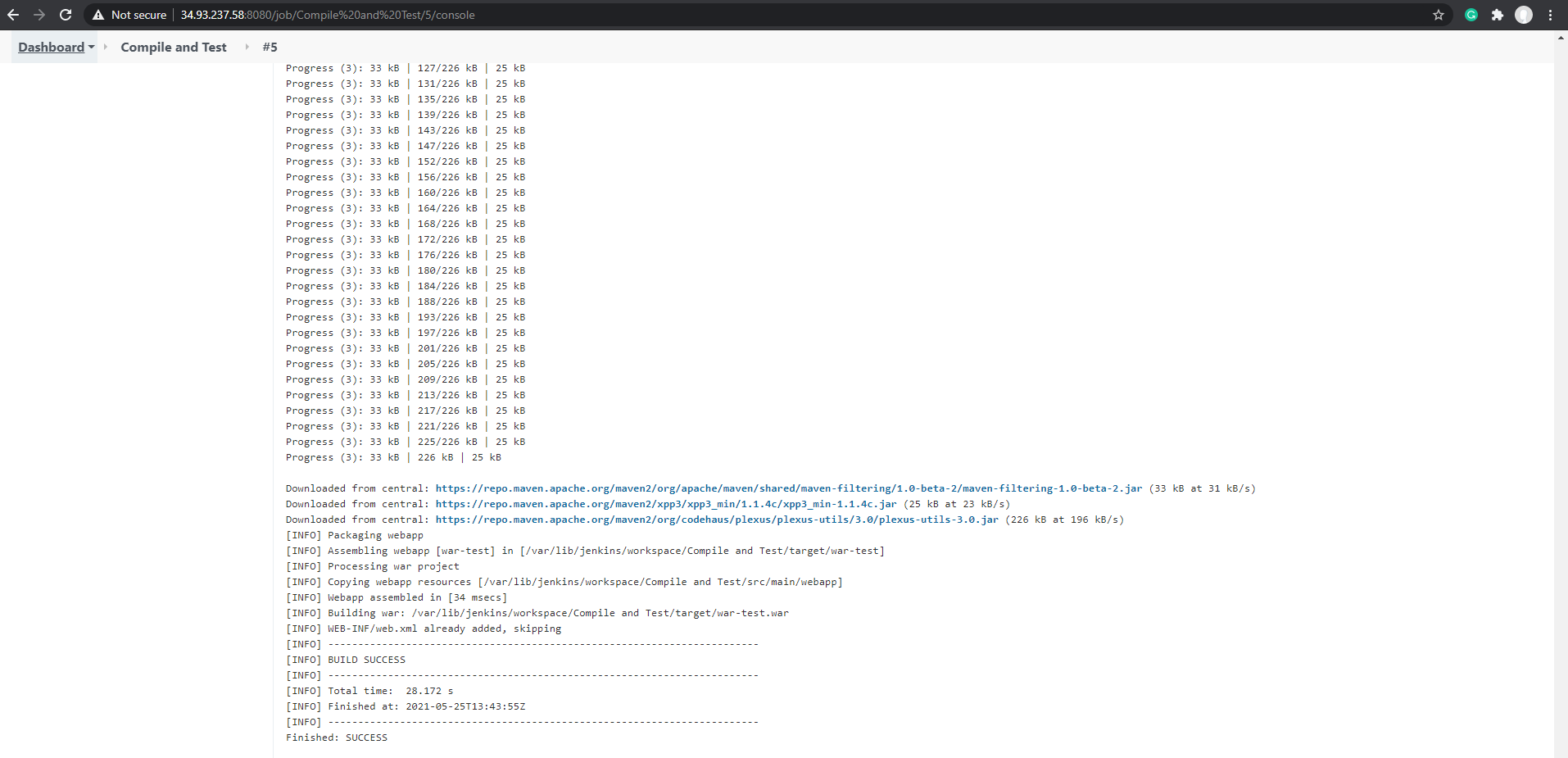
### Created 3 projects – Code checkout, compile and test, deploy



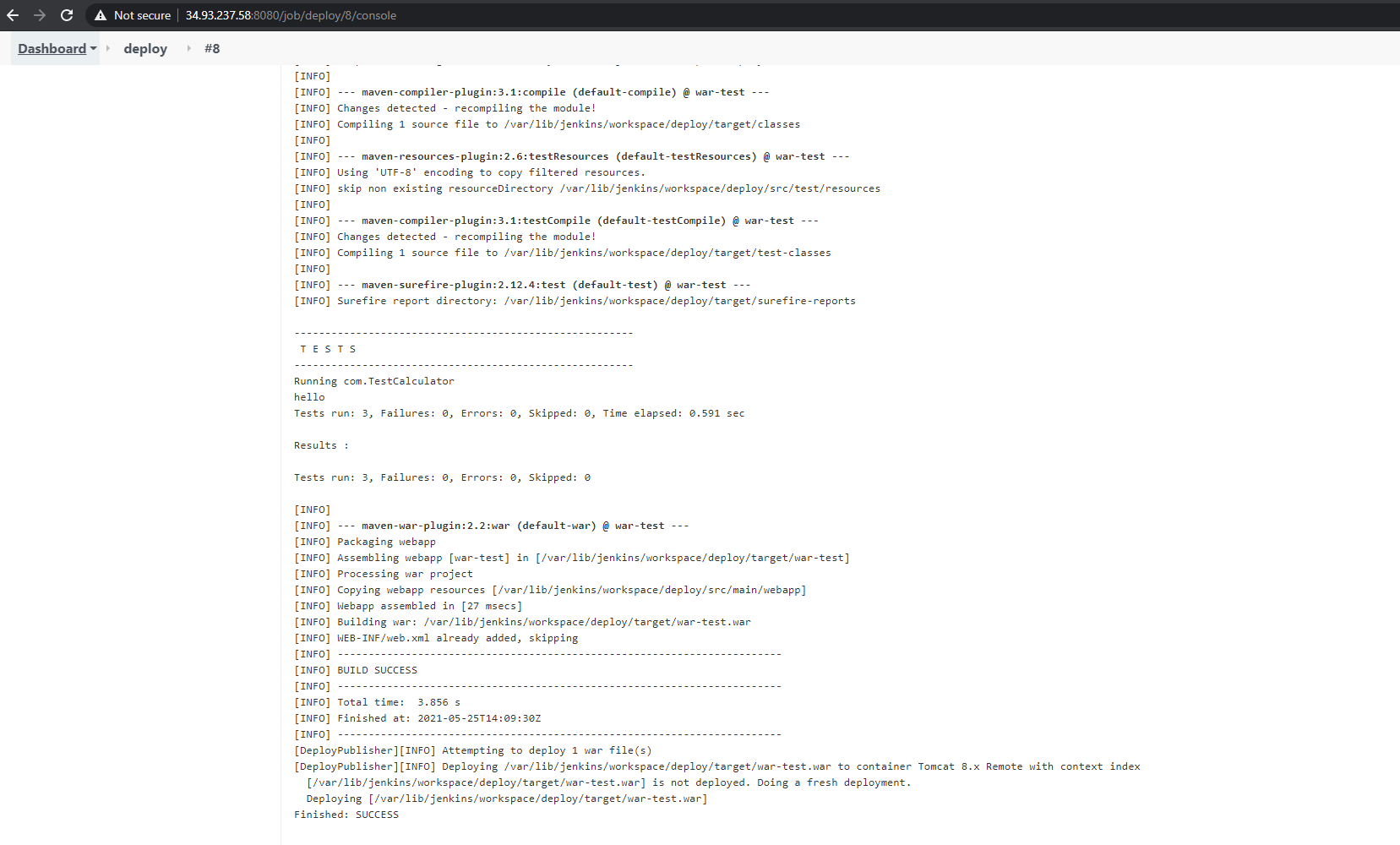
Output of Code checkout



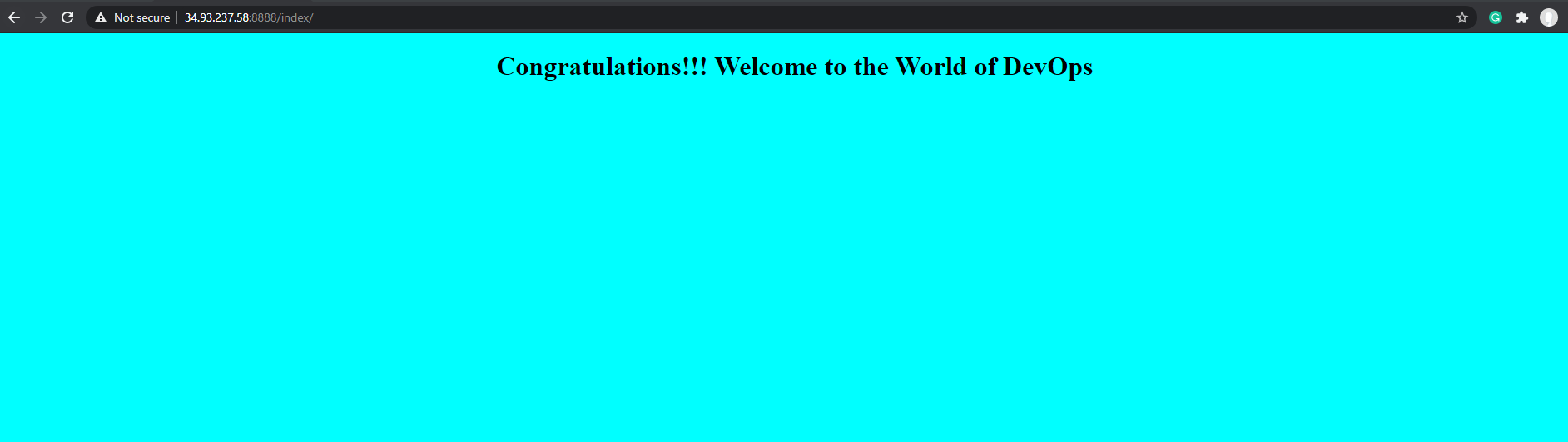
Output of Compile and test



Output of deploy project

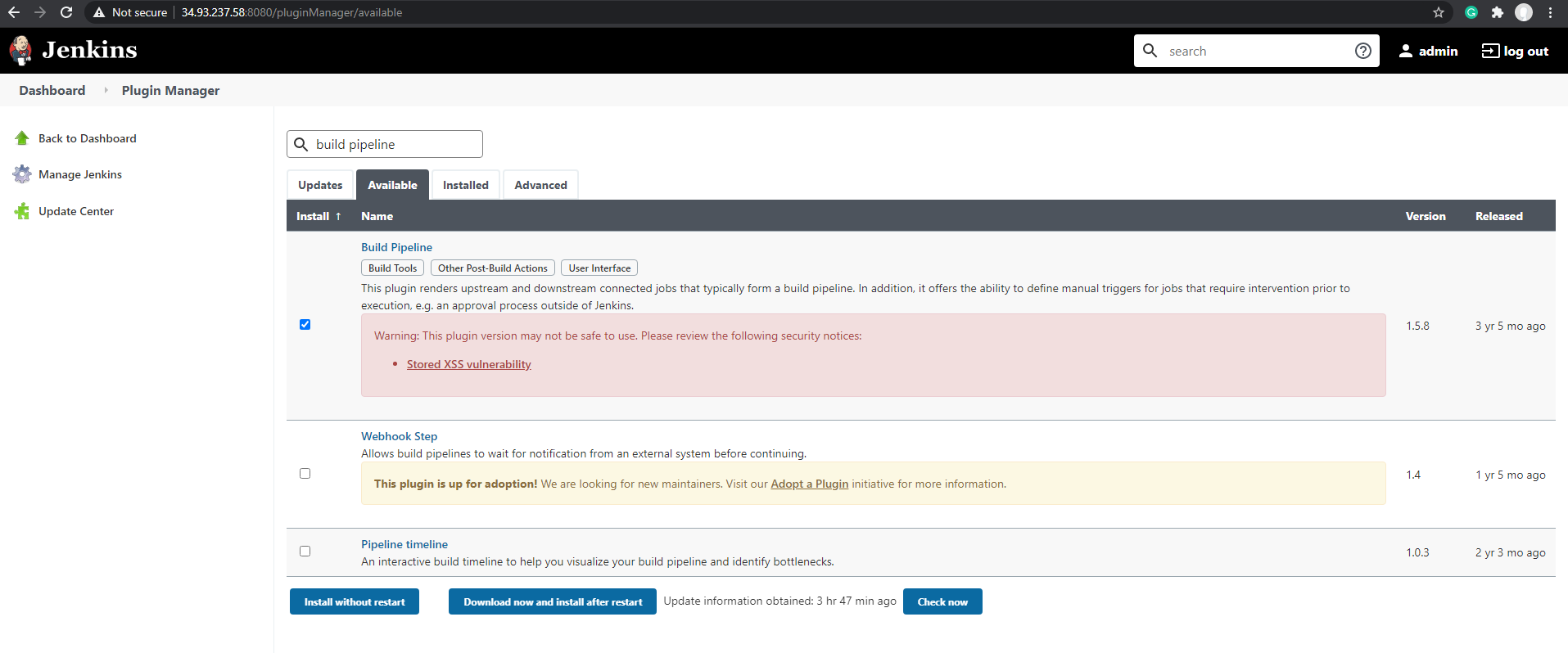


Tomcat page after completion of deploy job



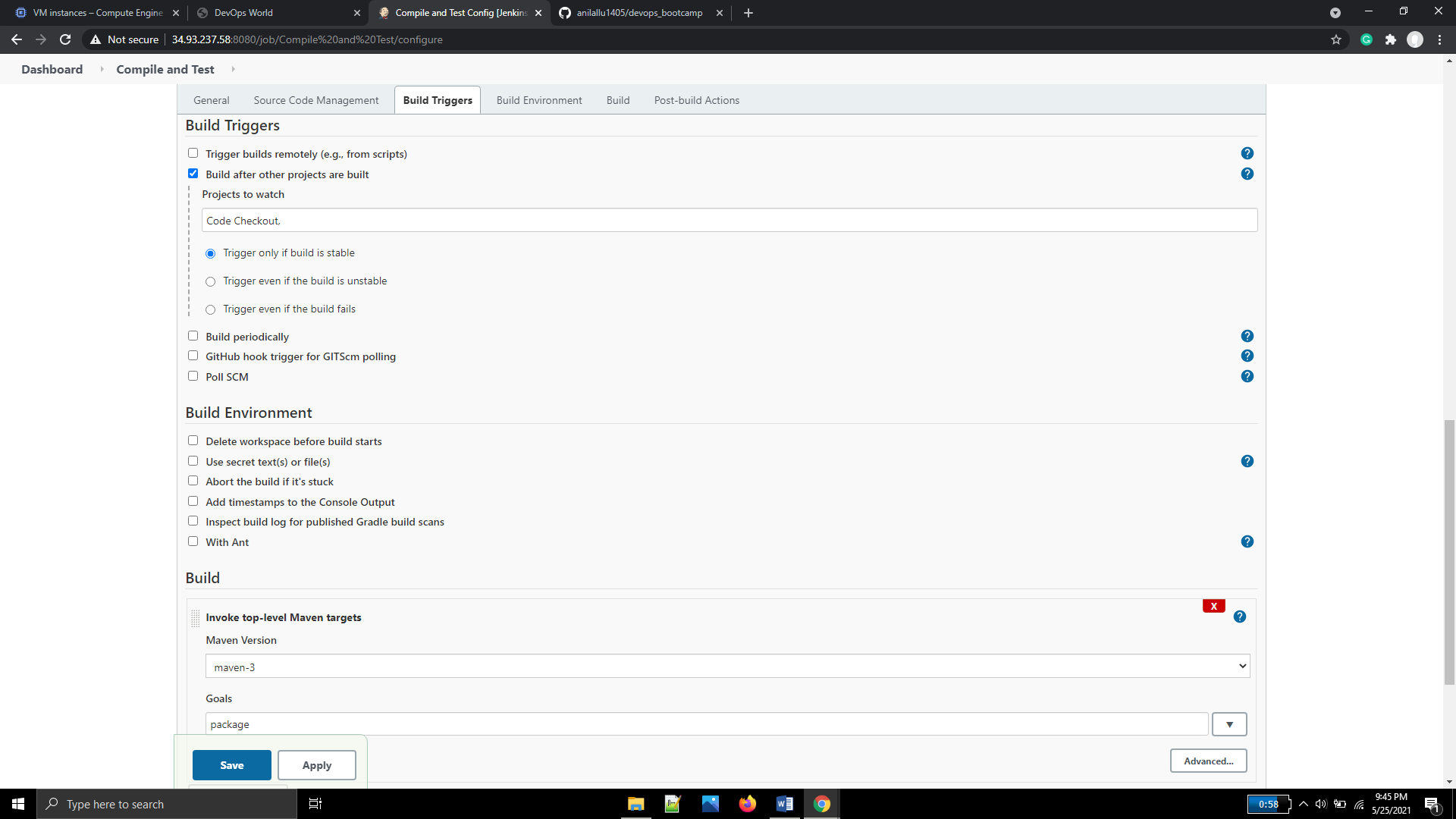
### Creating a pipeline view

Installing the Build pipeline plugin

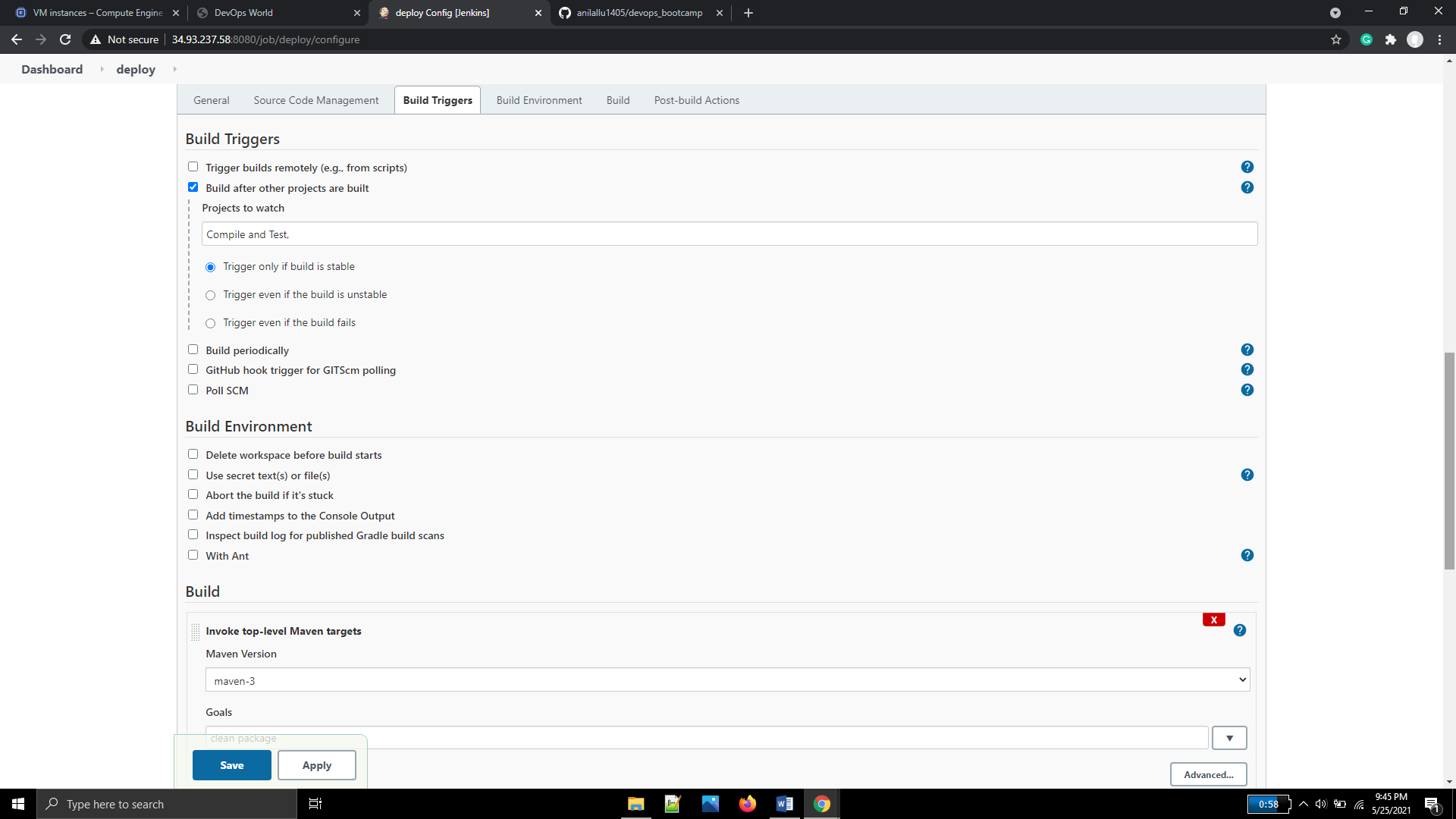


Modify the 2nd and 3rd job for pipeline creation

Added “Code checkout” project as Projects to Watch in Build Triggers for `Compile and test` project



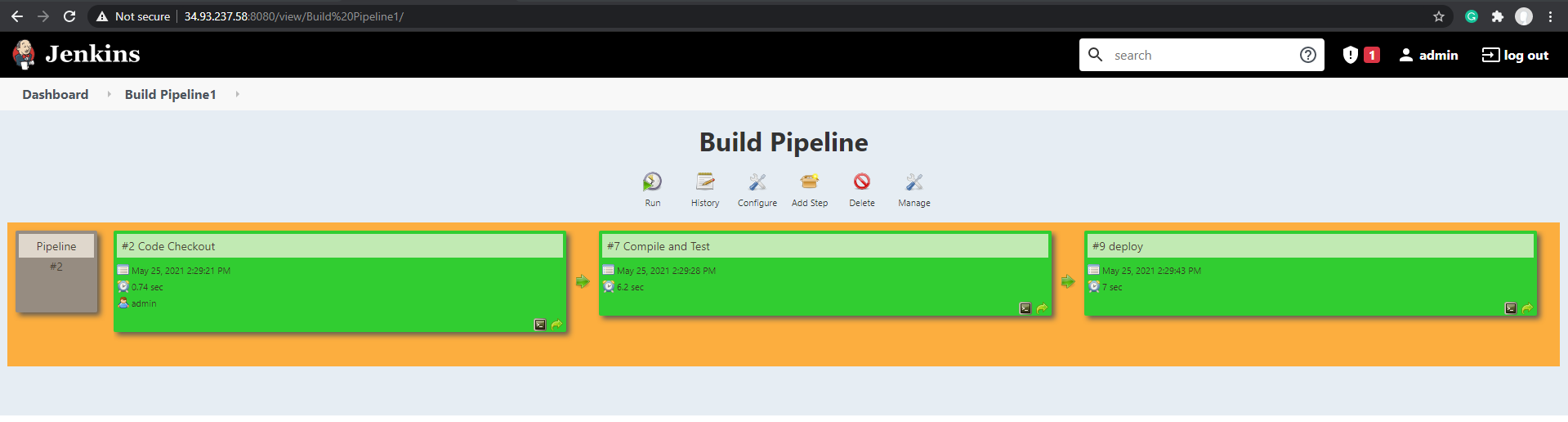
Added “Compile and test” project as Projects to Watch in Build Triggers for ` Deploy Project` project



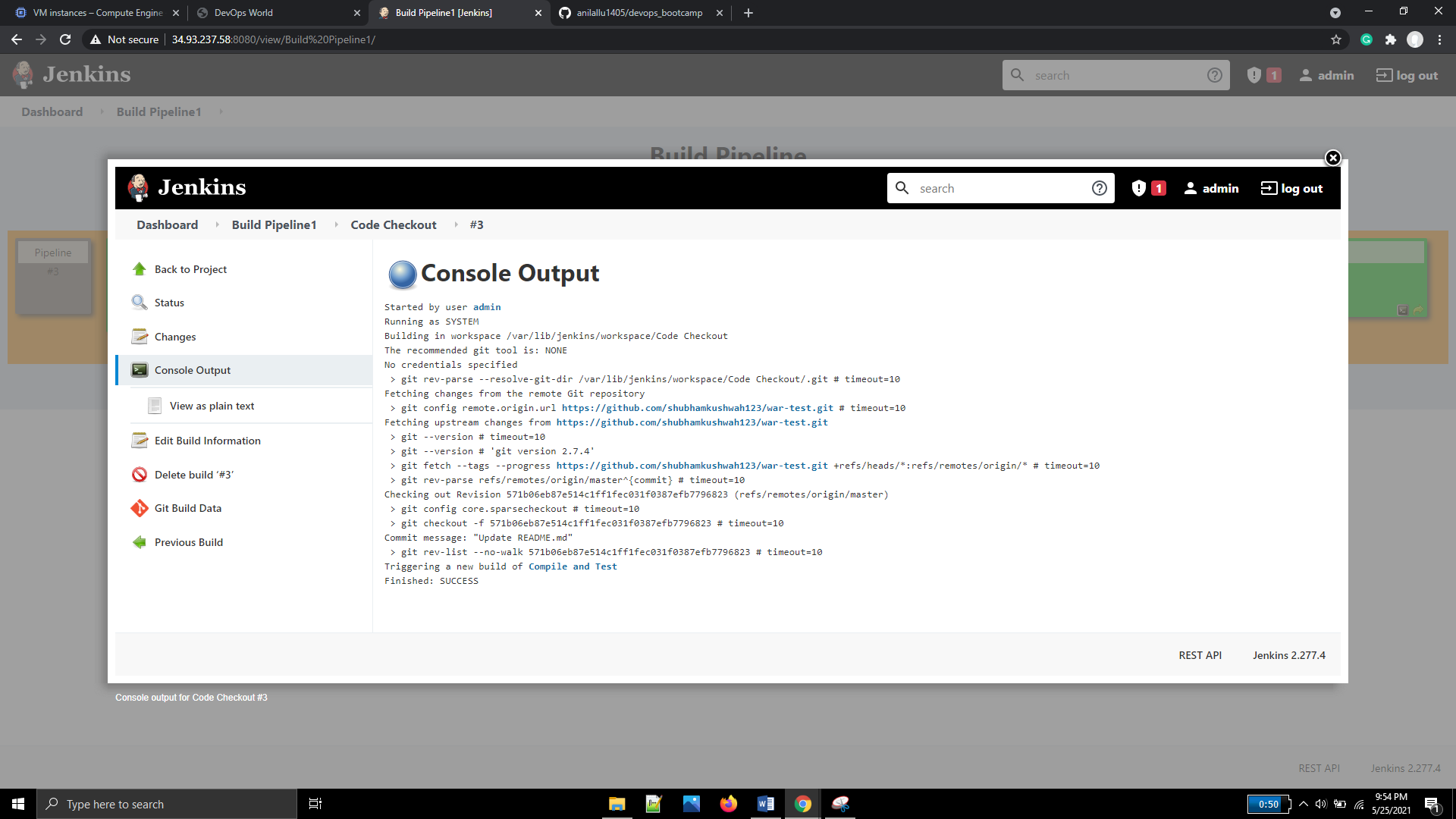
Changed the context path to index1

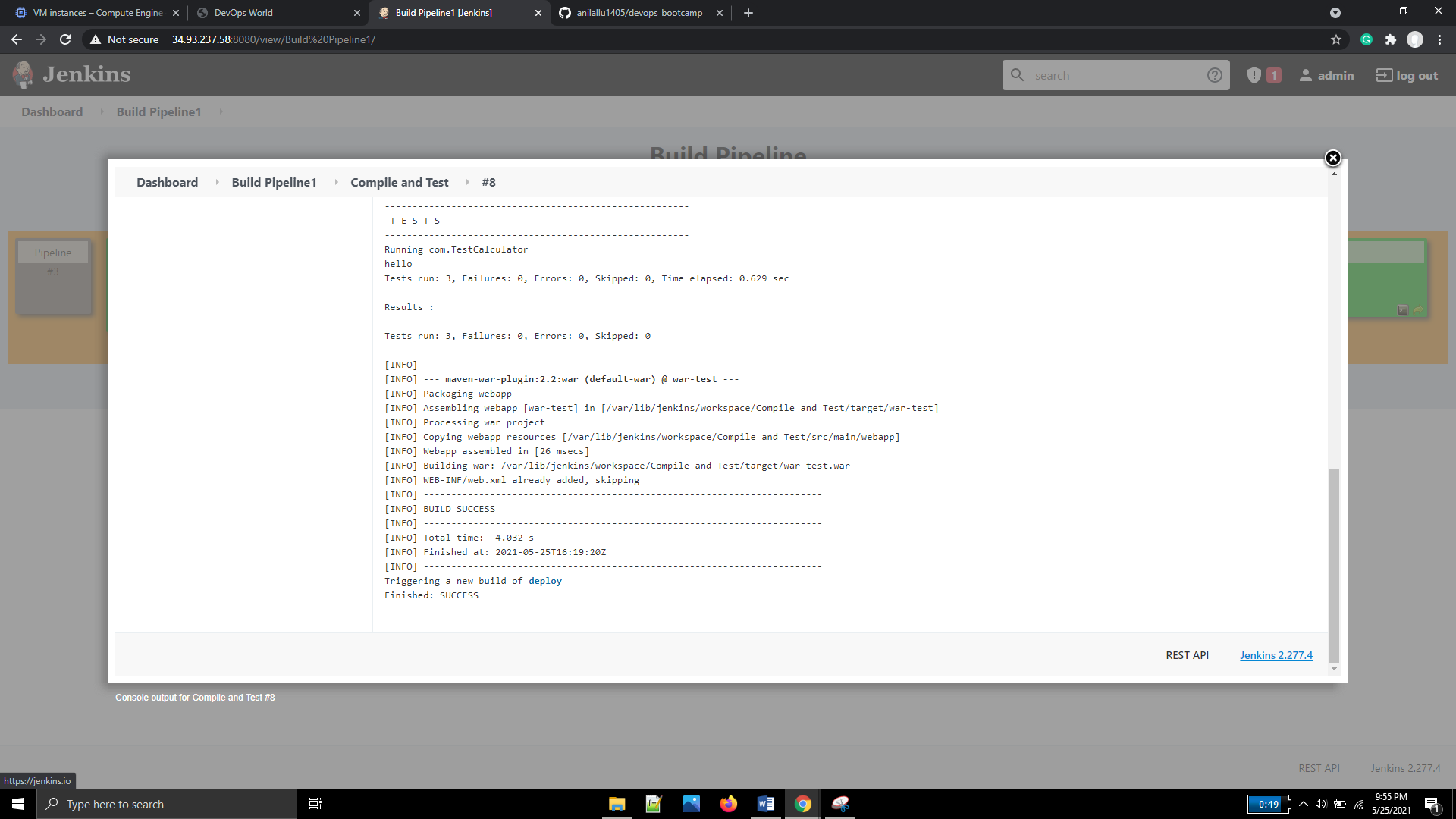


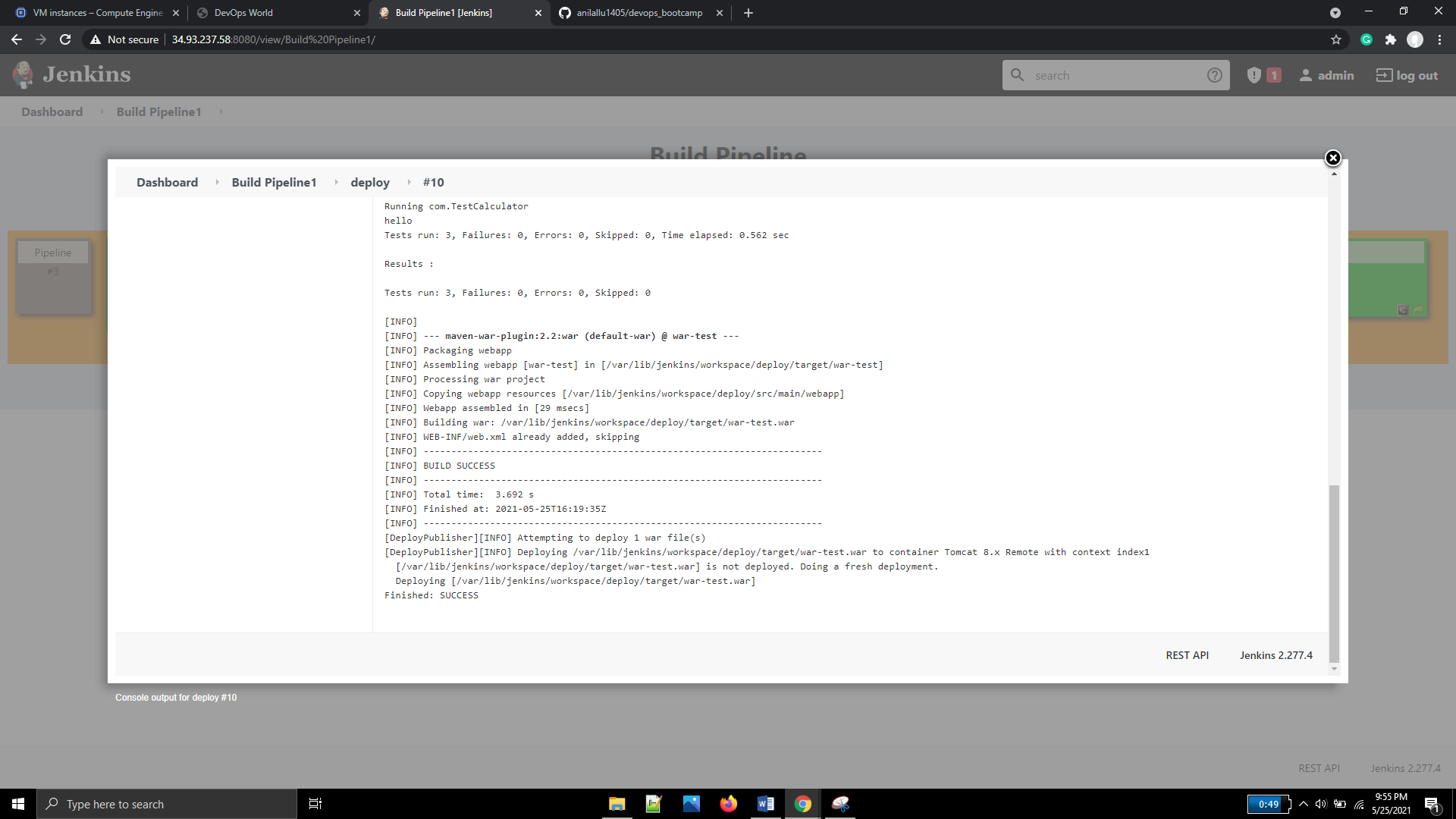
Running the pipeline



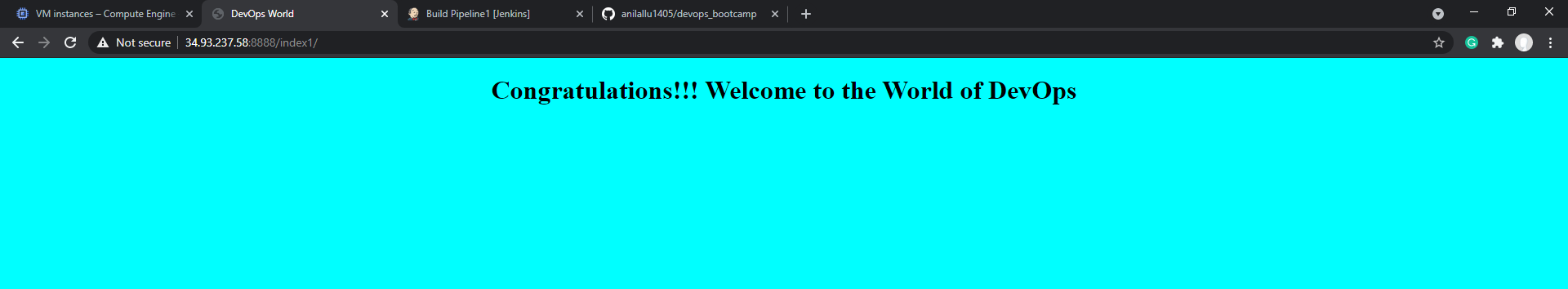
### Console output of each execution of job after pipeline



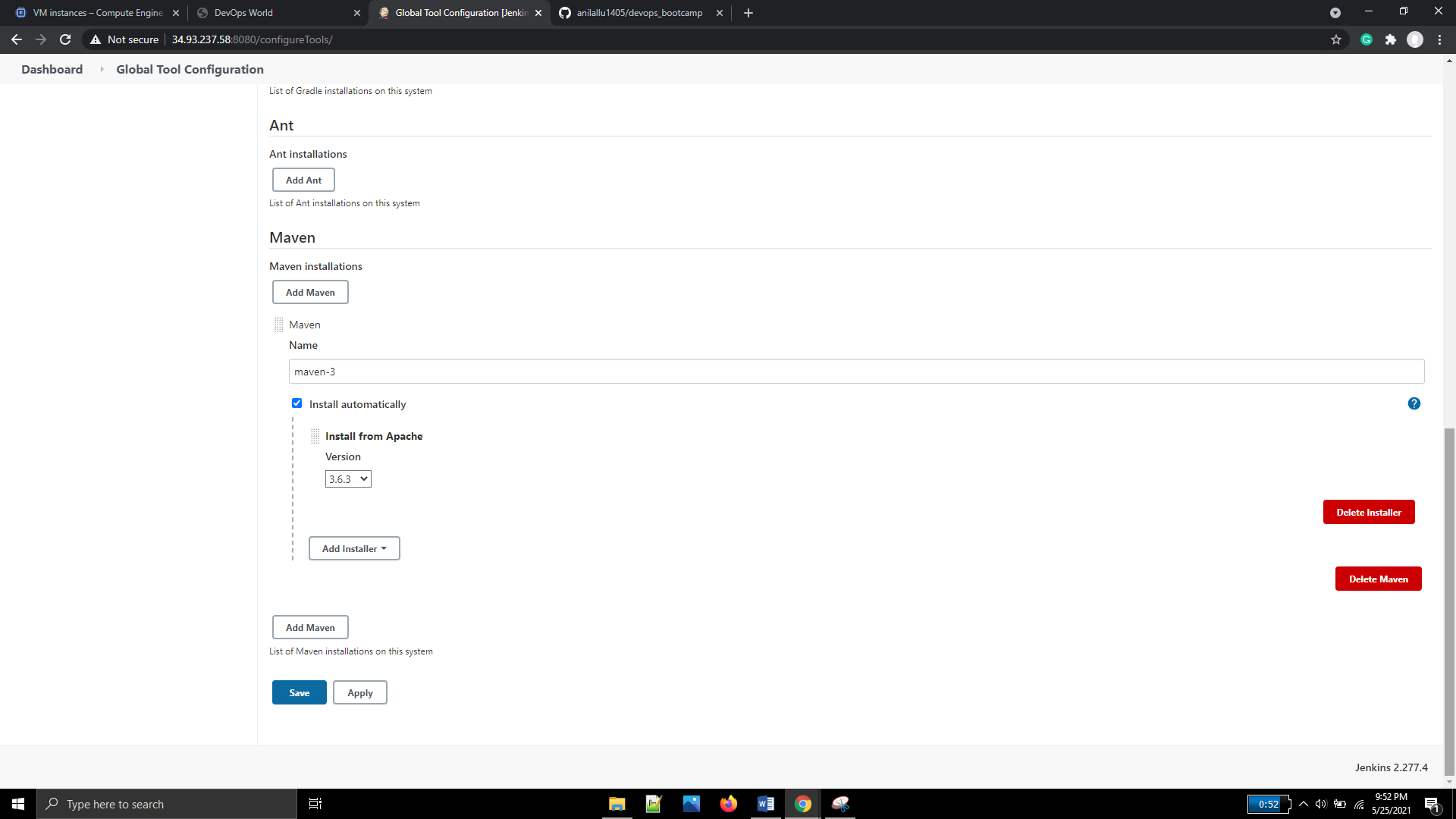




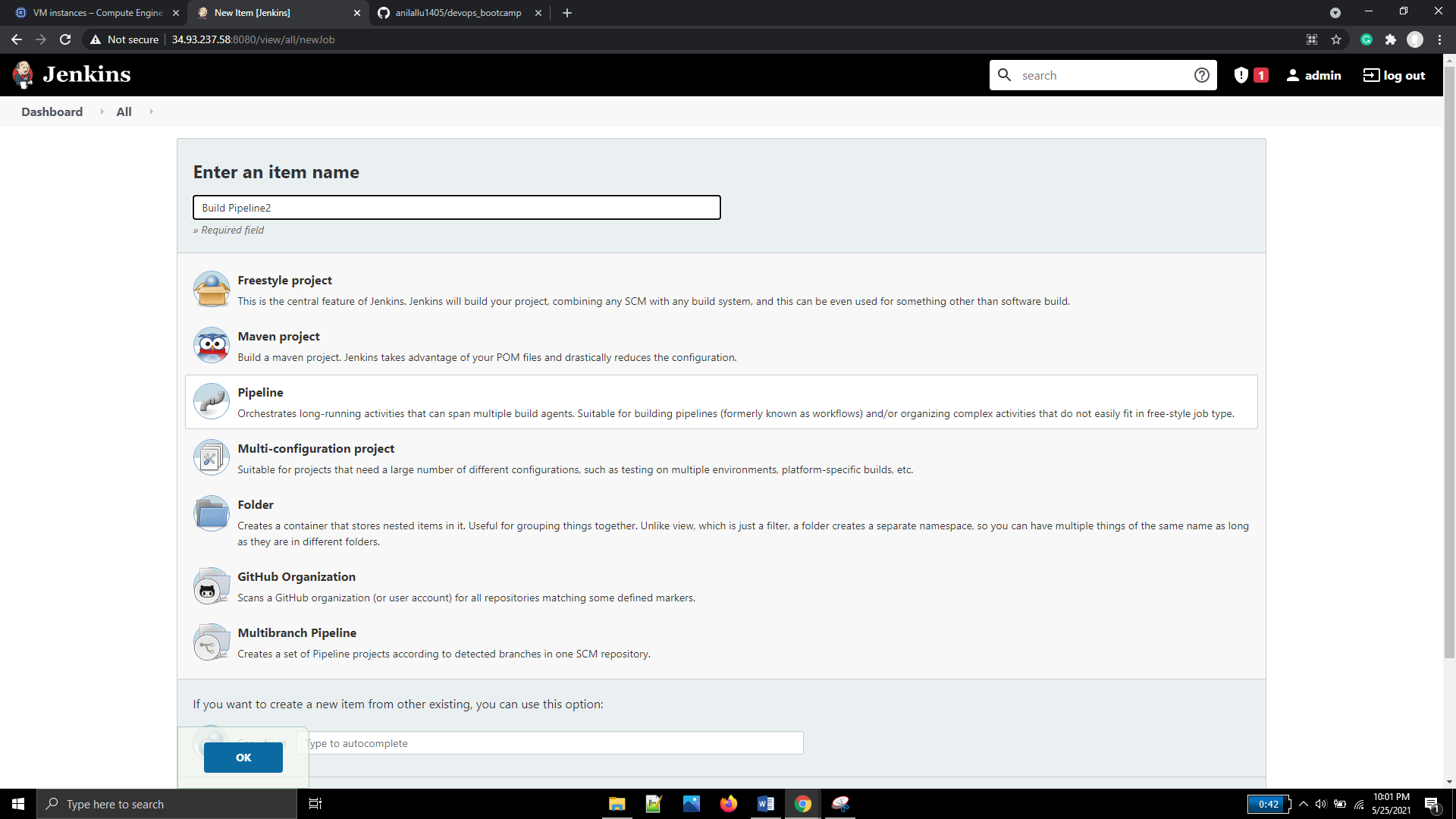
After building the pipeline (tomcat index1 context page)



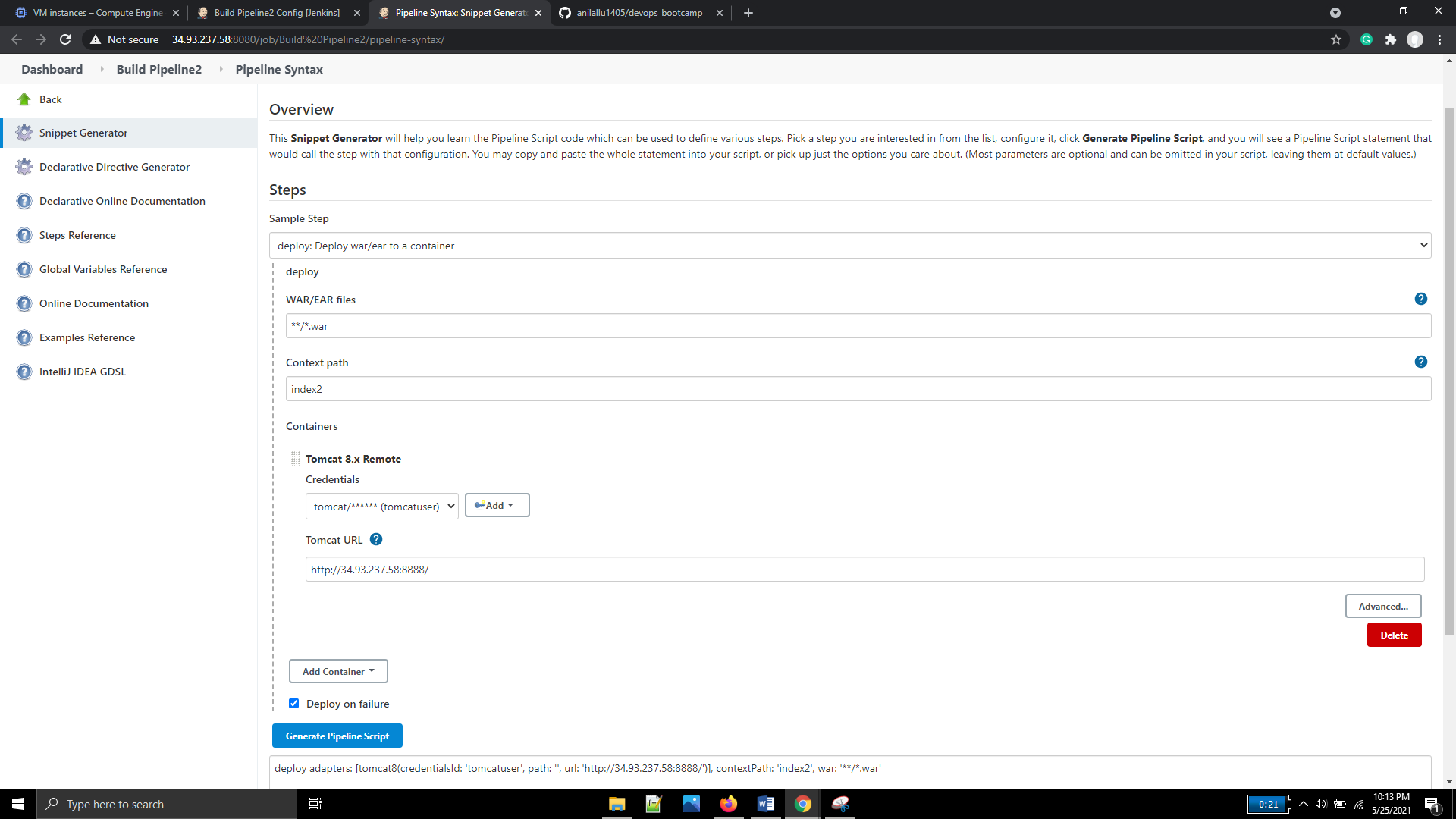
### Configured maven in Global tool configuration



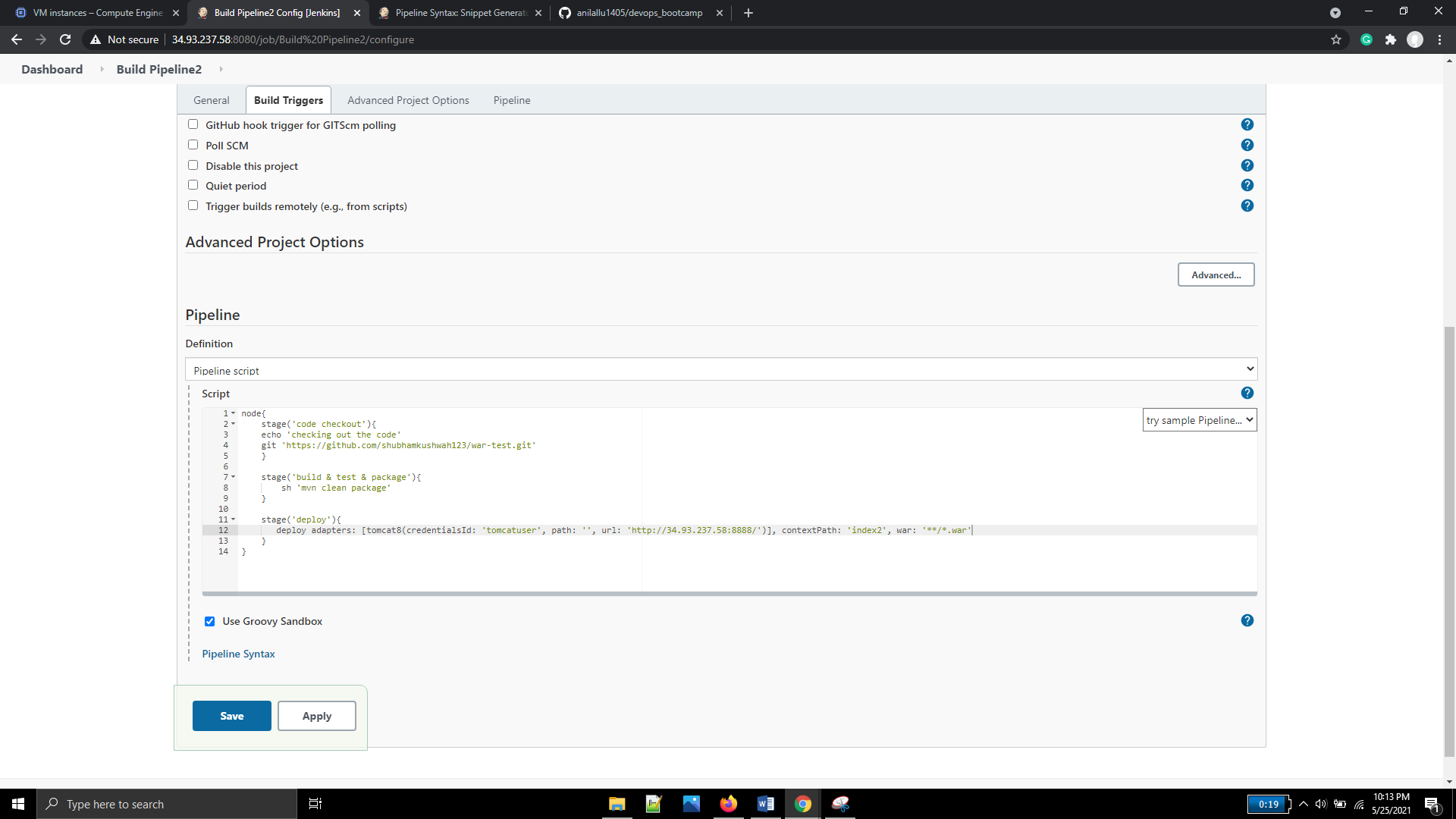
### Pipeline job with scripts & GitHub webhook



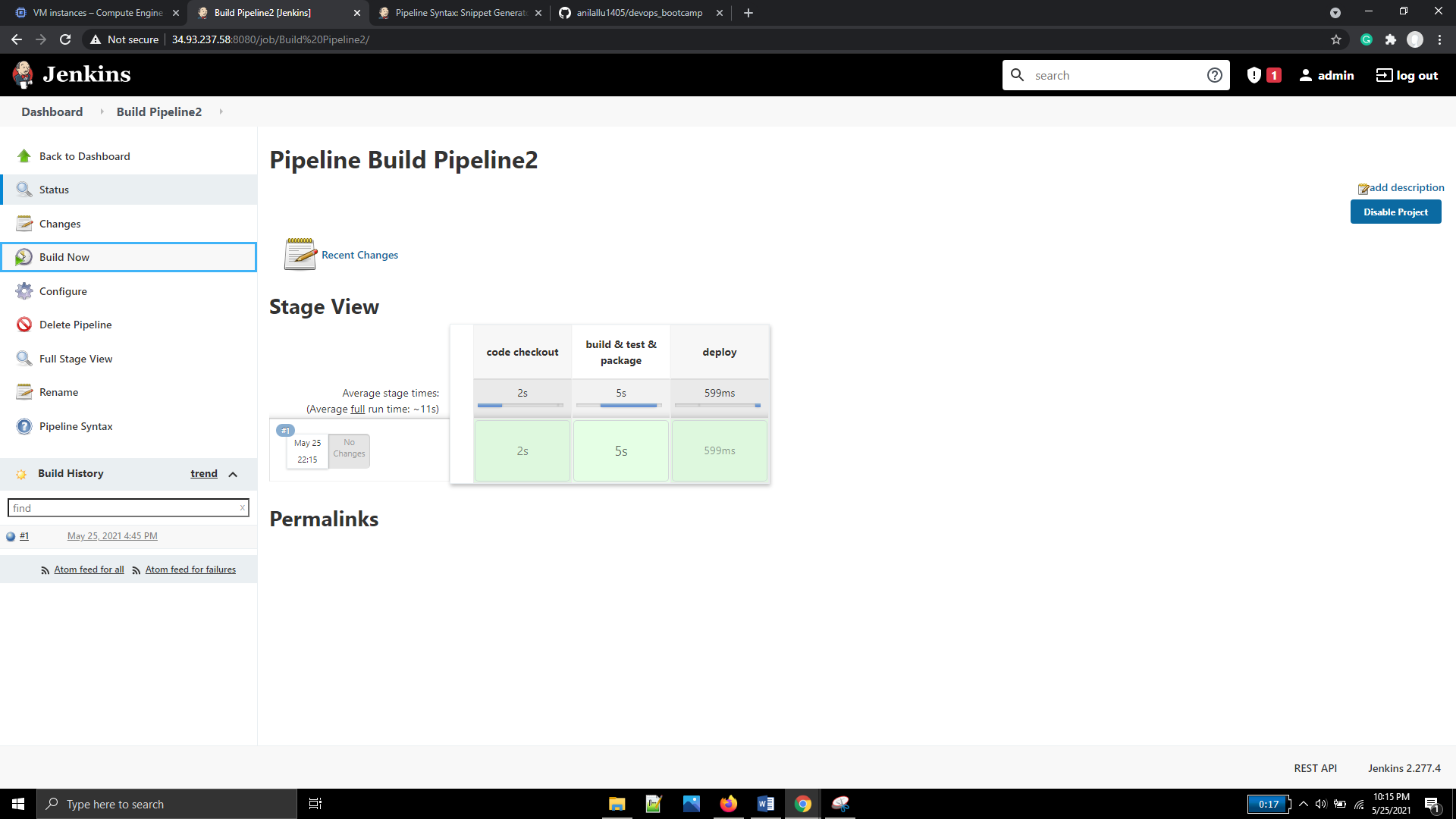
Generated pipeline script for deploy step(with tomcat8)



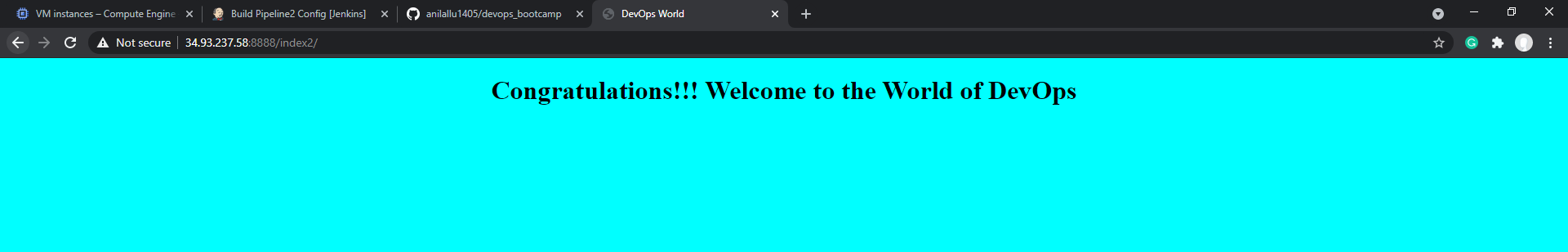
Updated the script in pipeline2 job



Output of pipeline2 job (with groovy script)

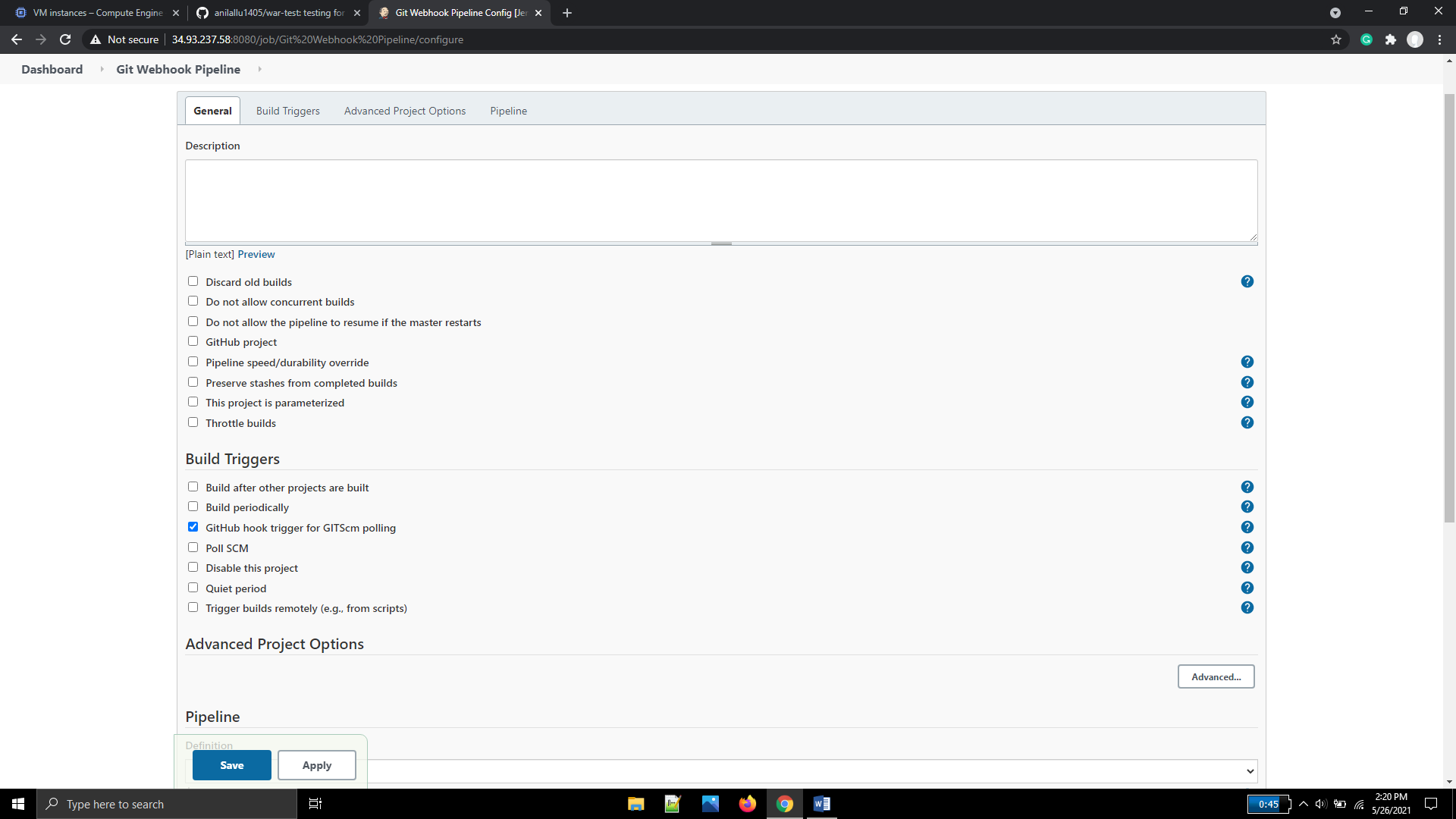


Tomcat page(context: index2)

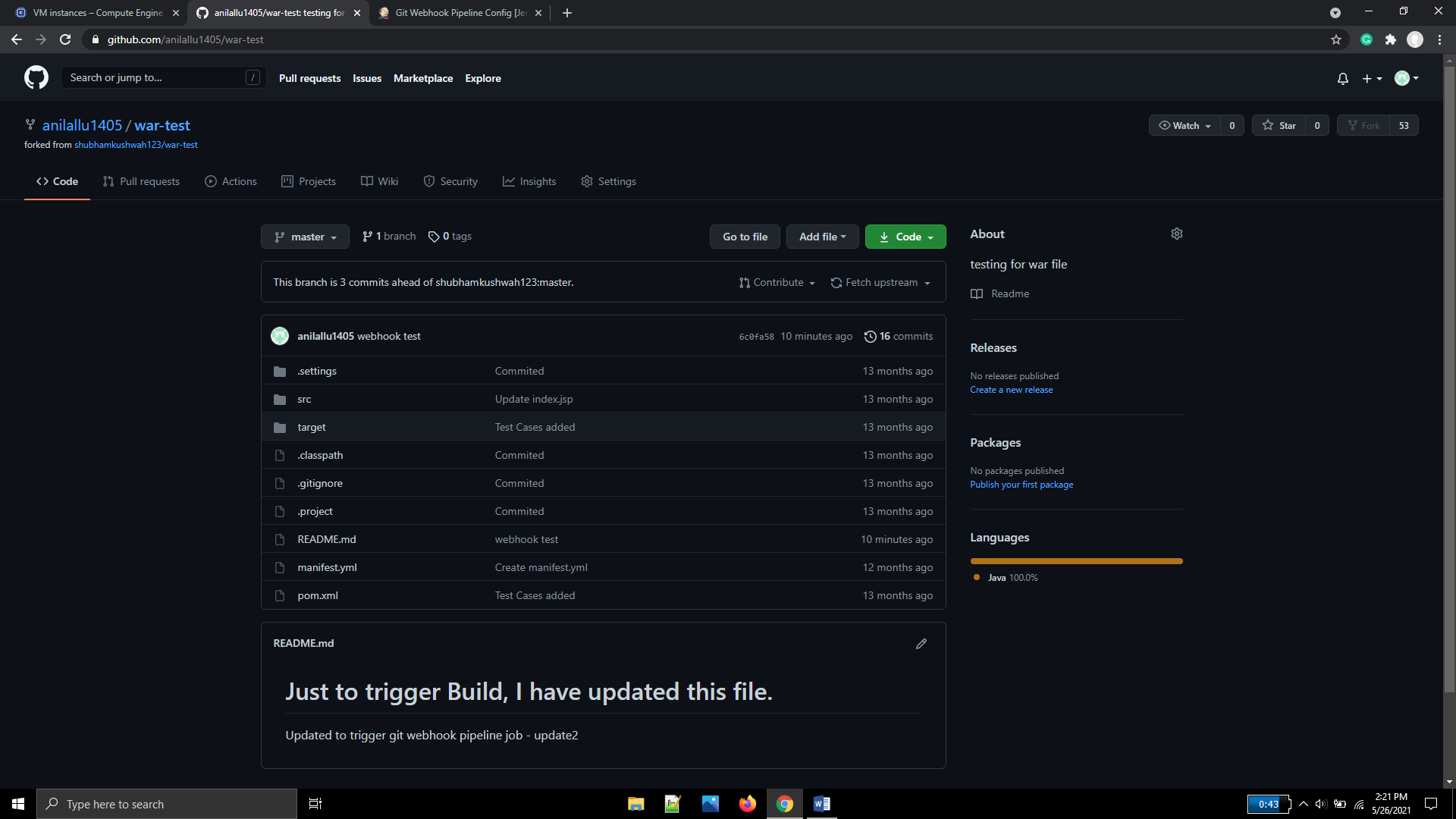


### Github webhook configuration

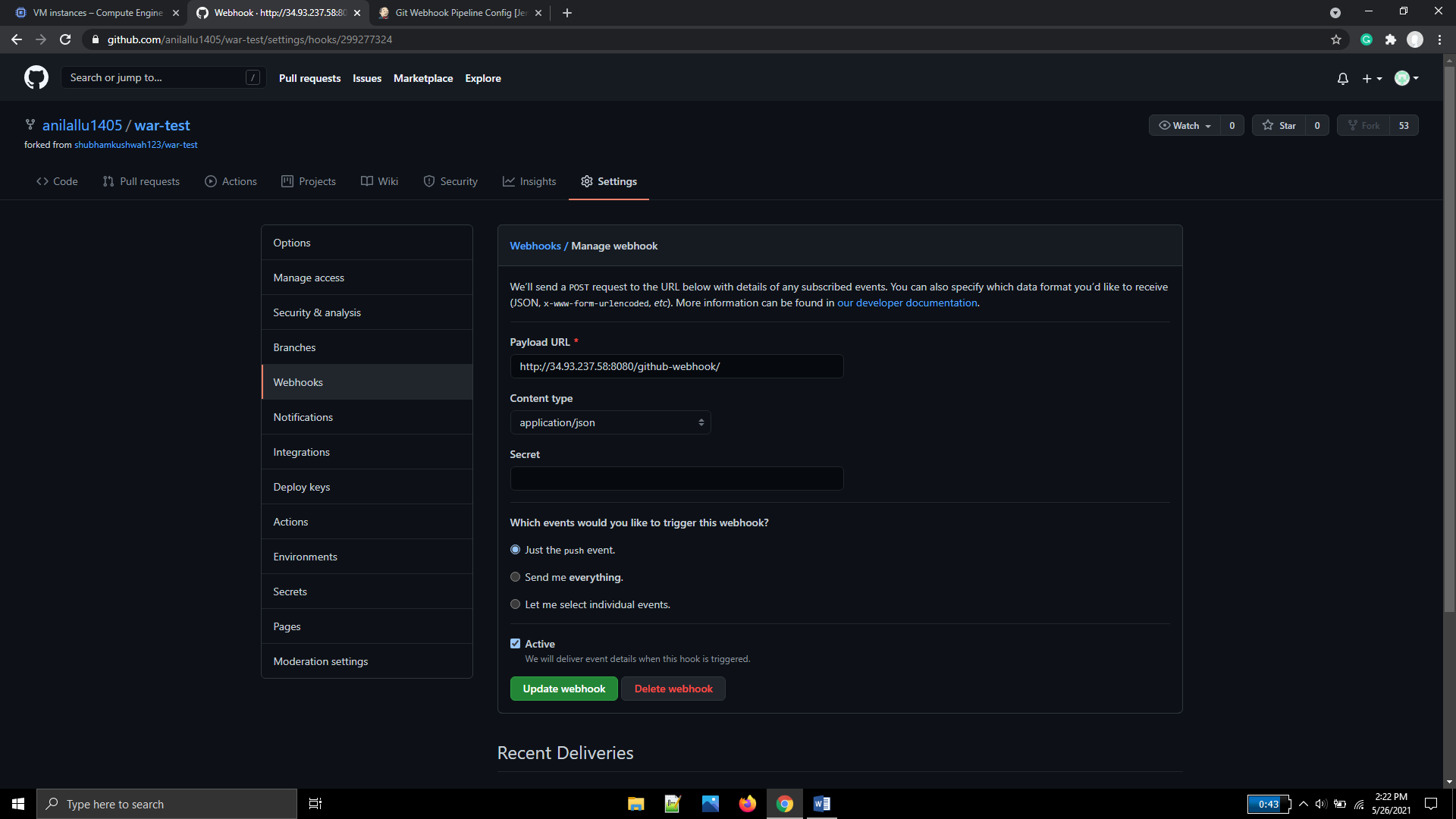
Created a new job to test pipeline using git webhook and configured the build triggers



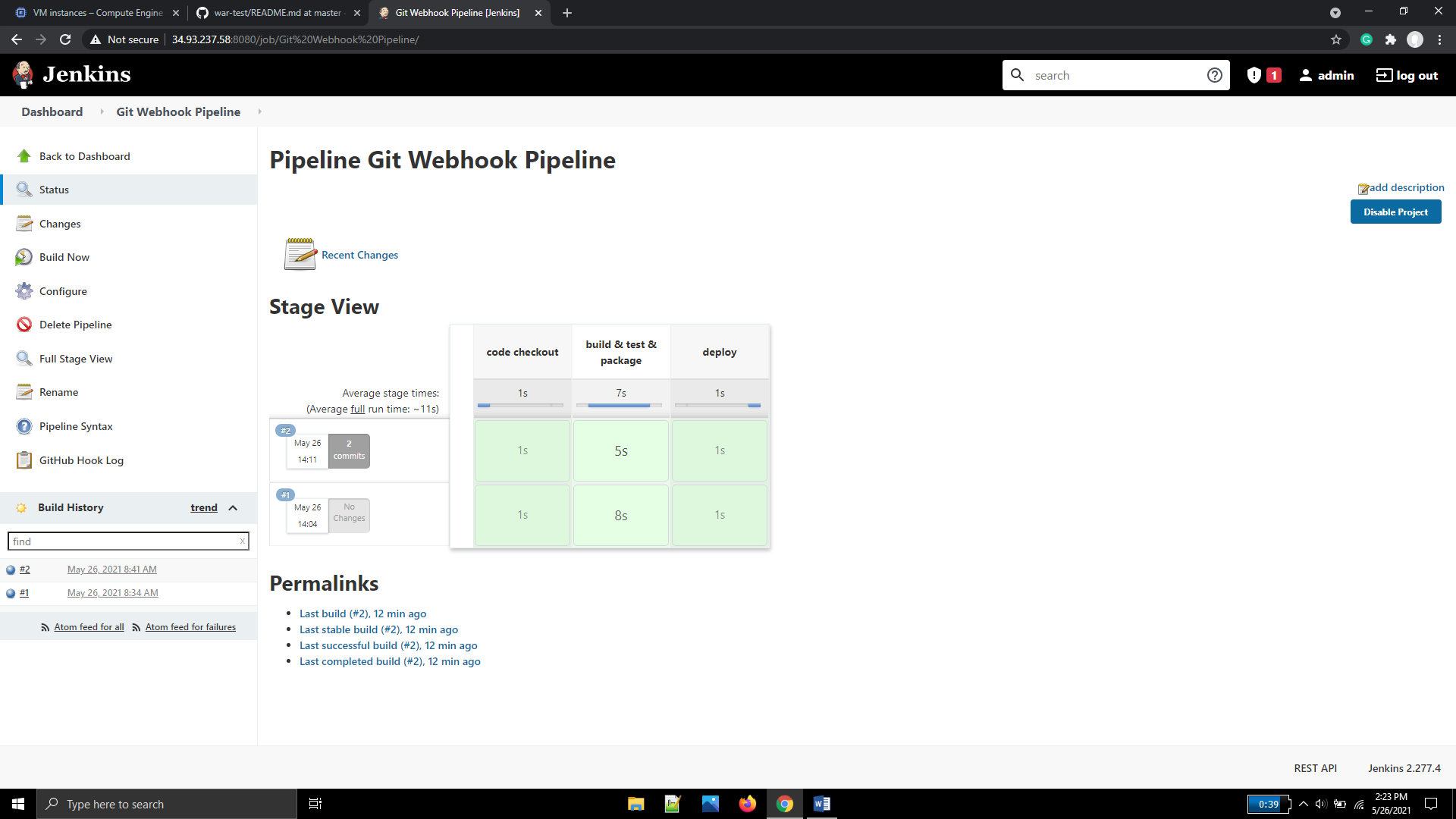
Forked the war-test project to github



Configured git webhook with Jenkins url suffixing /github-webhook/



Edited Readme file and commited changes in the forked code. The pipleline job(with buildid #2) got triggered



Tomcat index page (with context = index3) got loaded successfully

