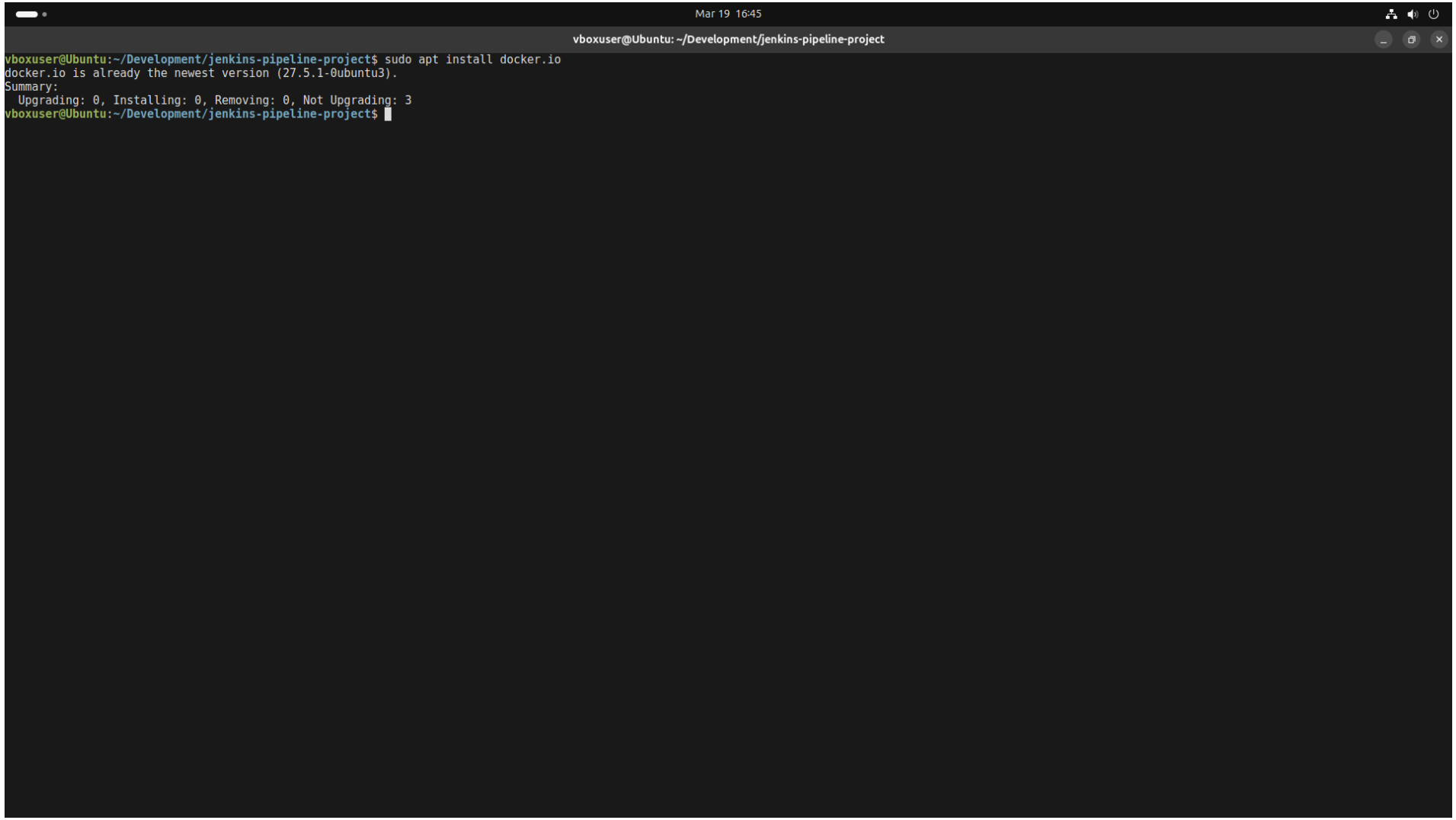
Setting up a pipeline project in Jenkins

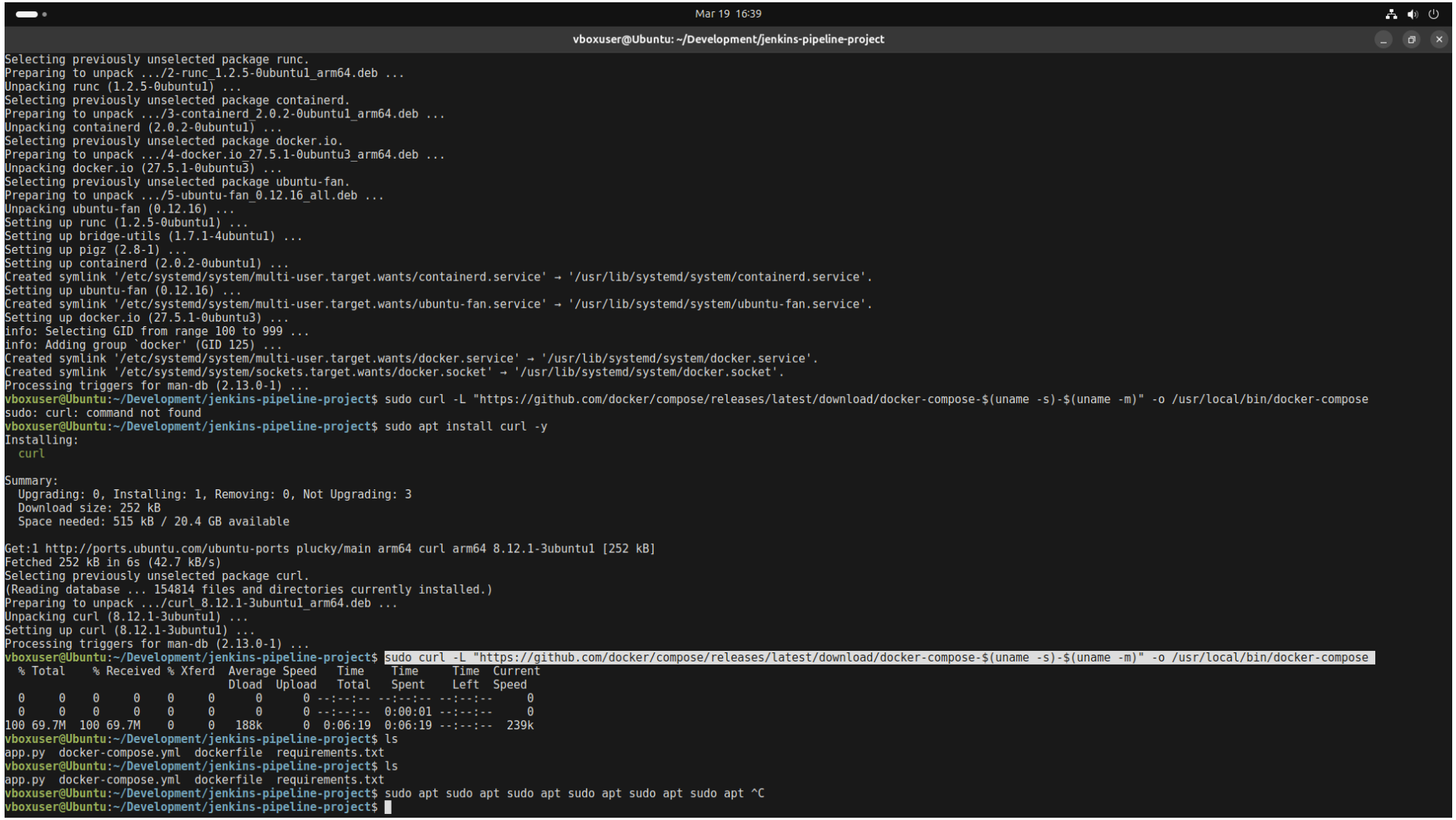
Day - 2

24MCR029
Harikrishnan N

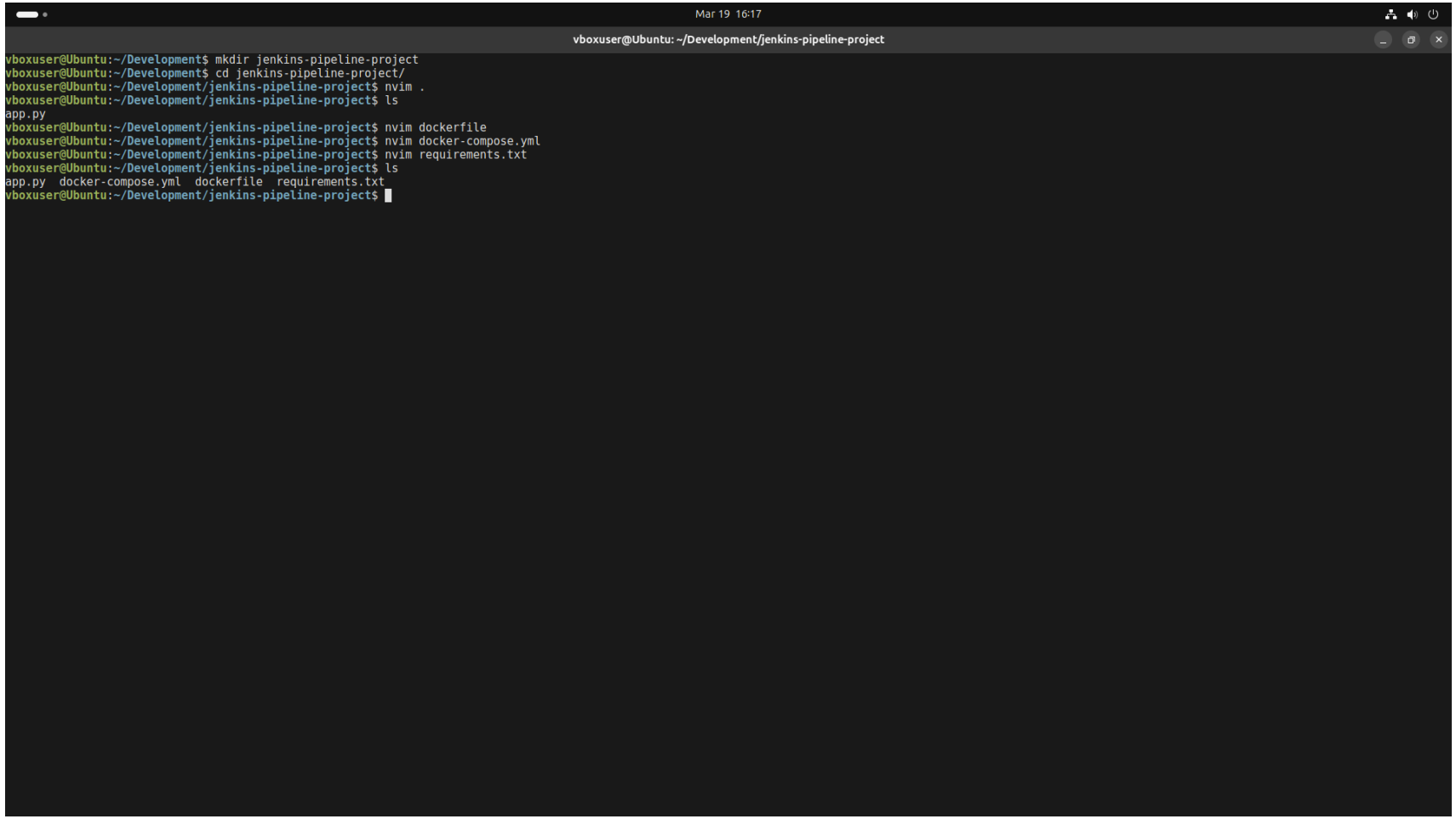
Installing docker.io



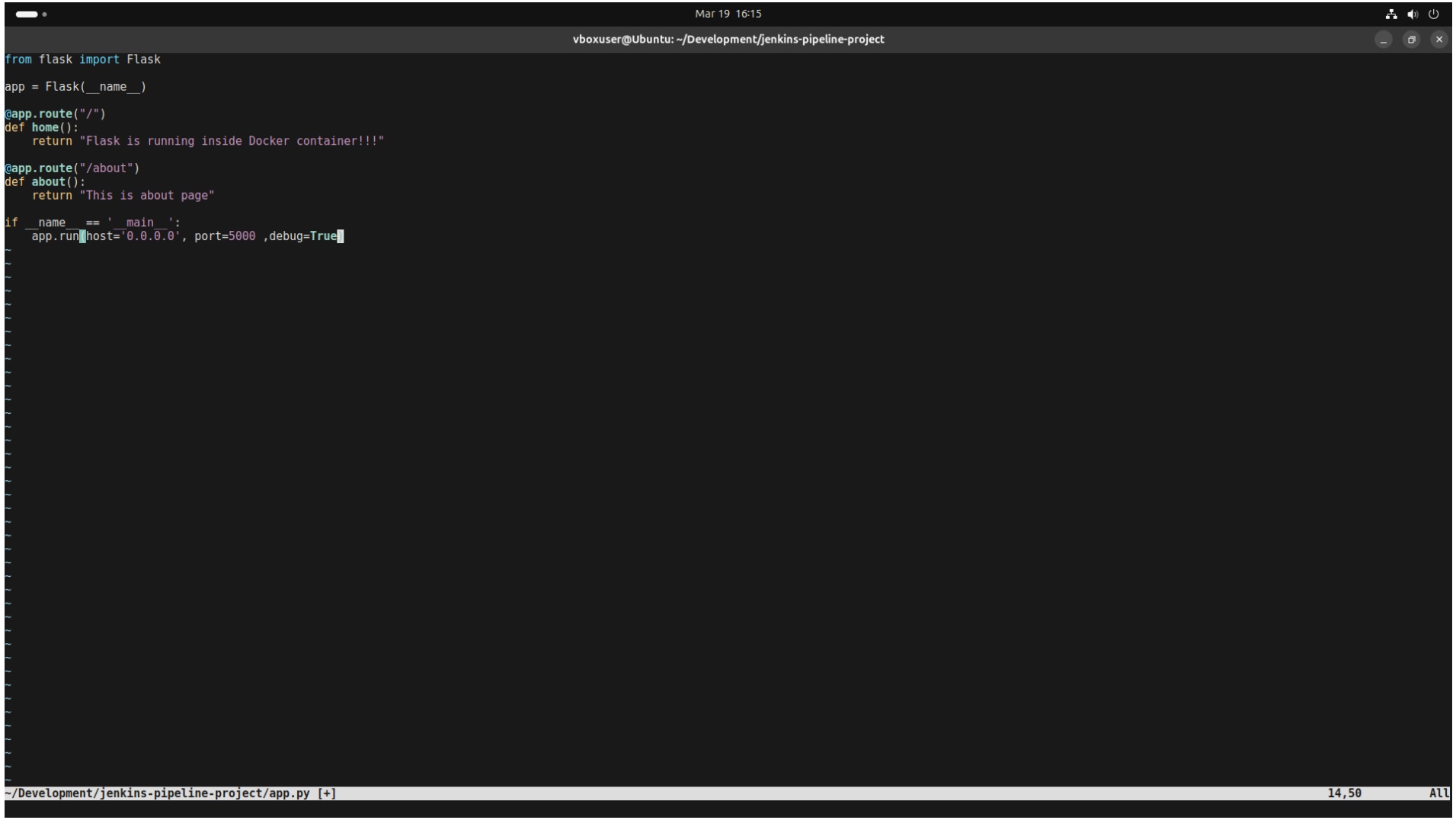
Installing docker-compose



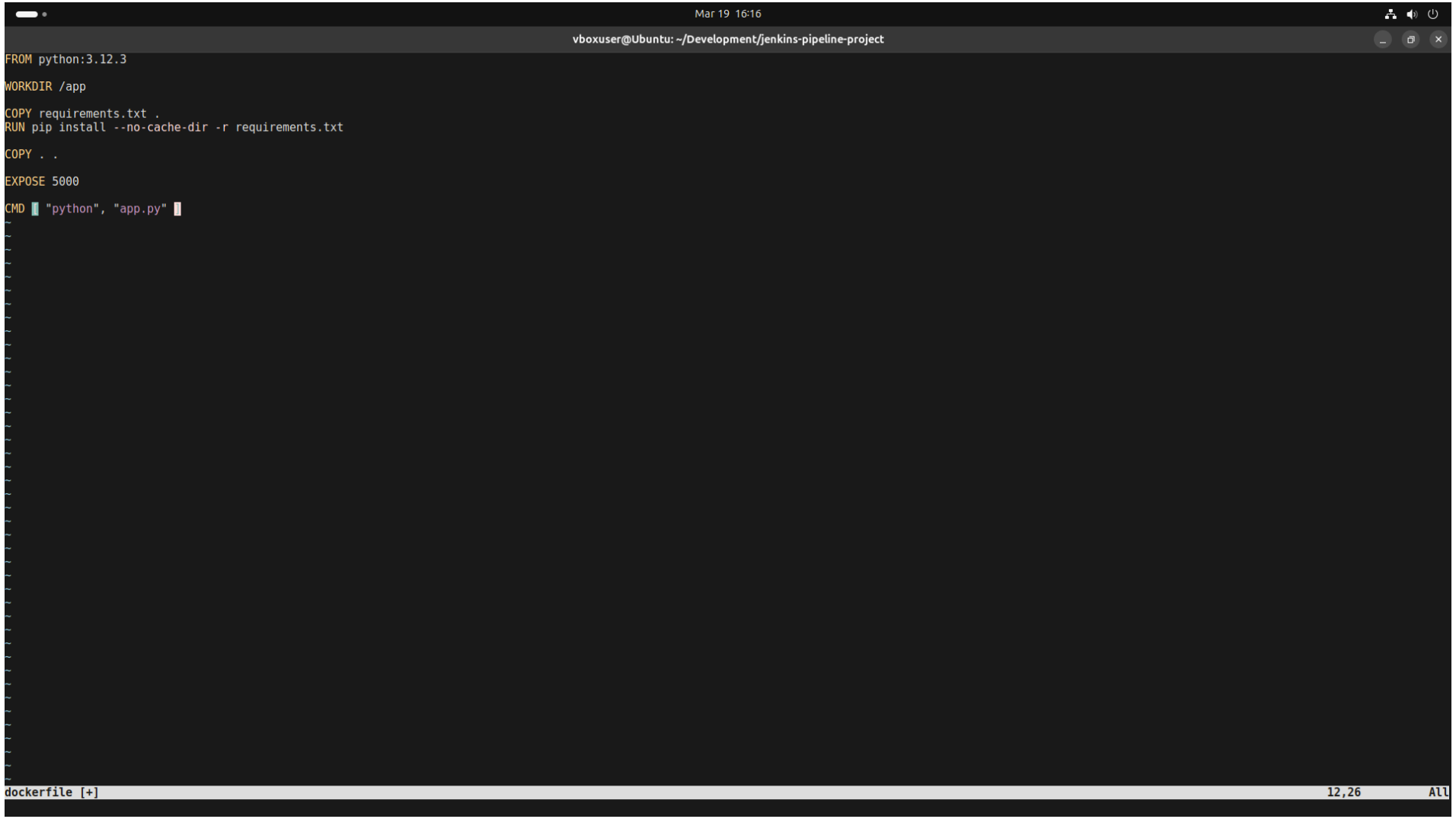
Creating a simple python flask application and running it using docker



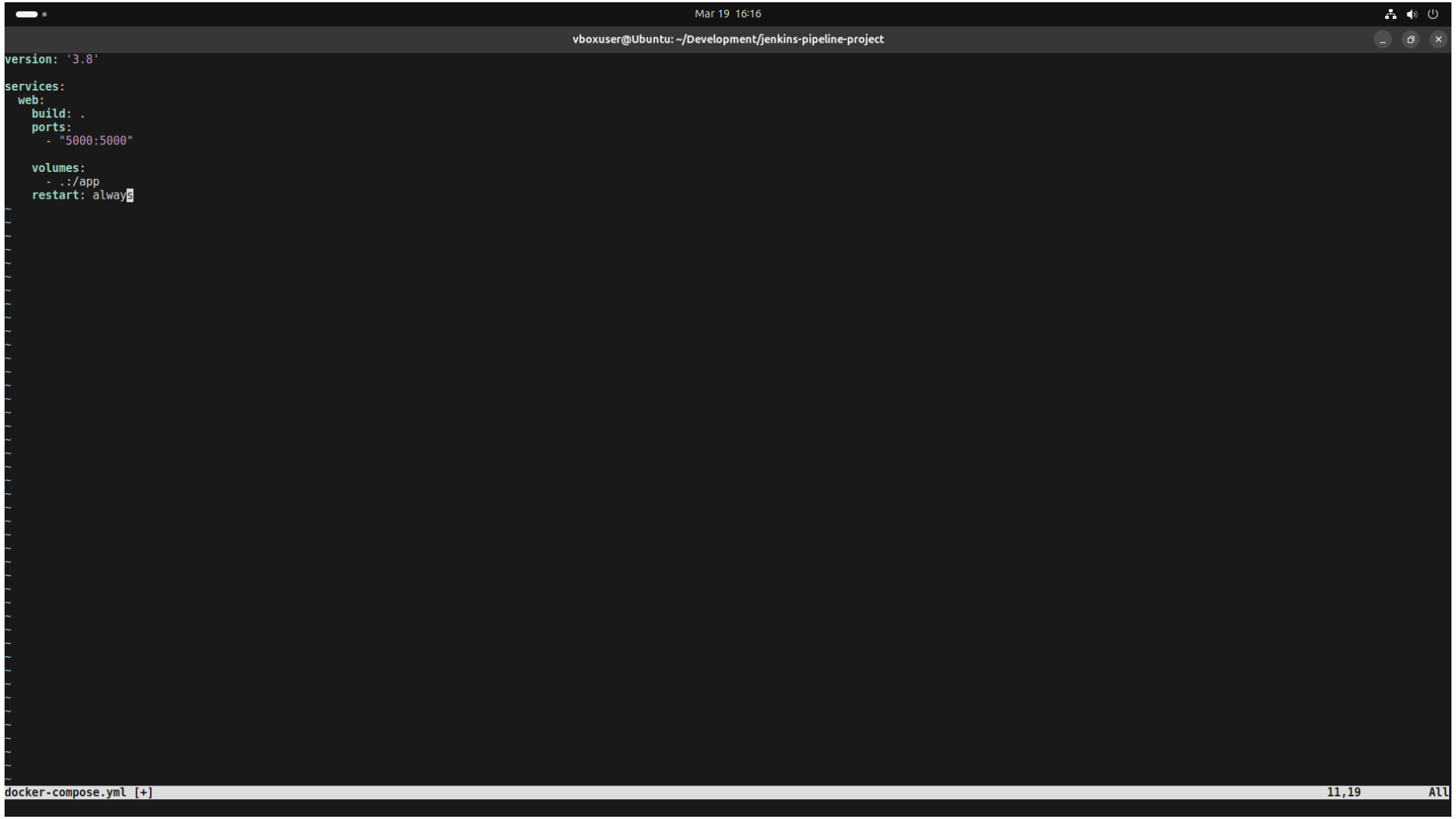
Contents of app.py



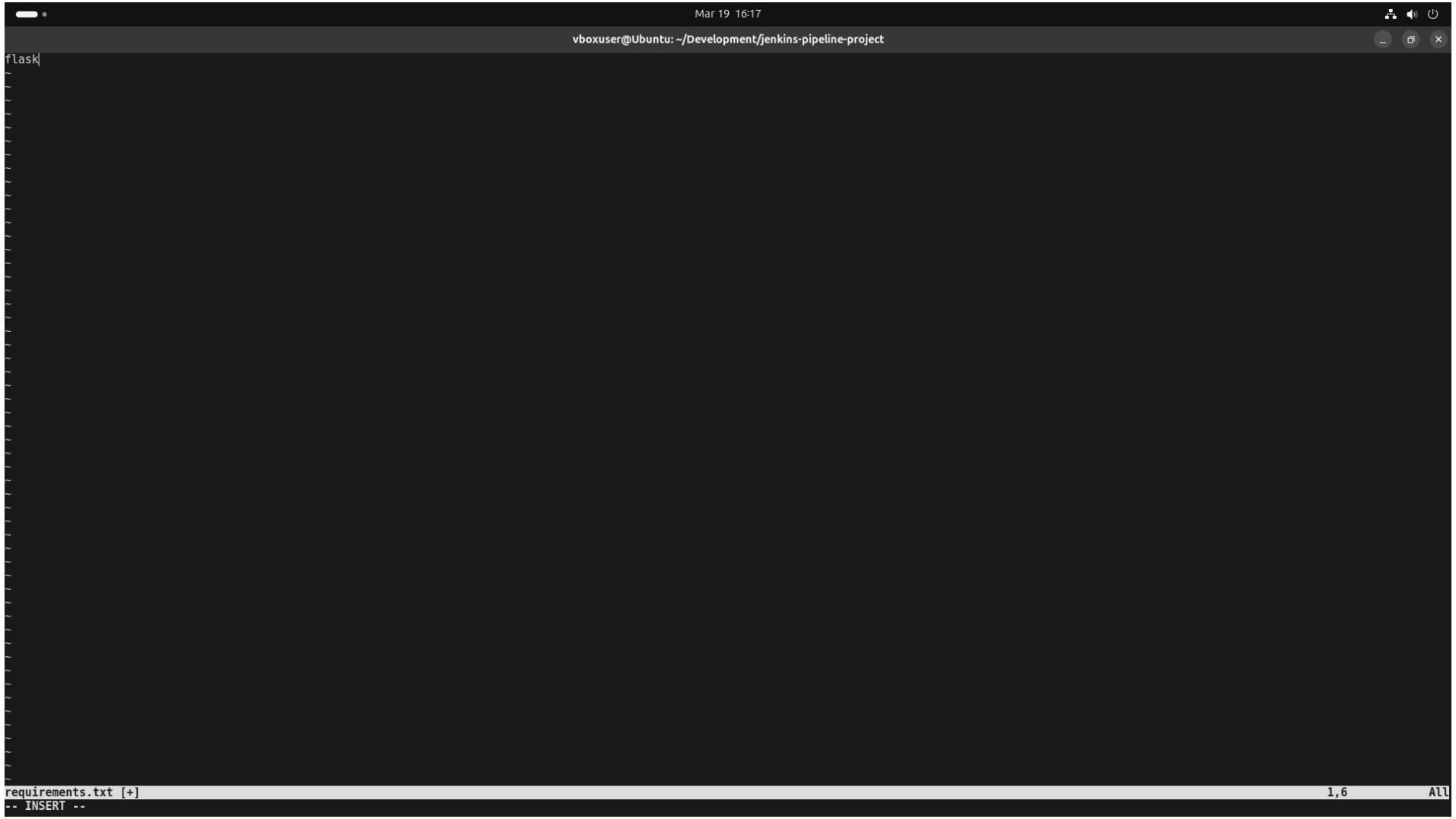
Contents of dockerfile



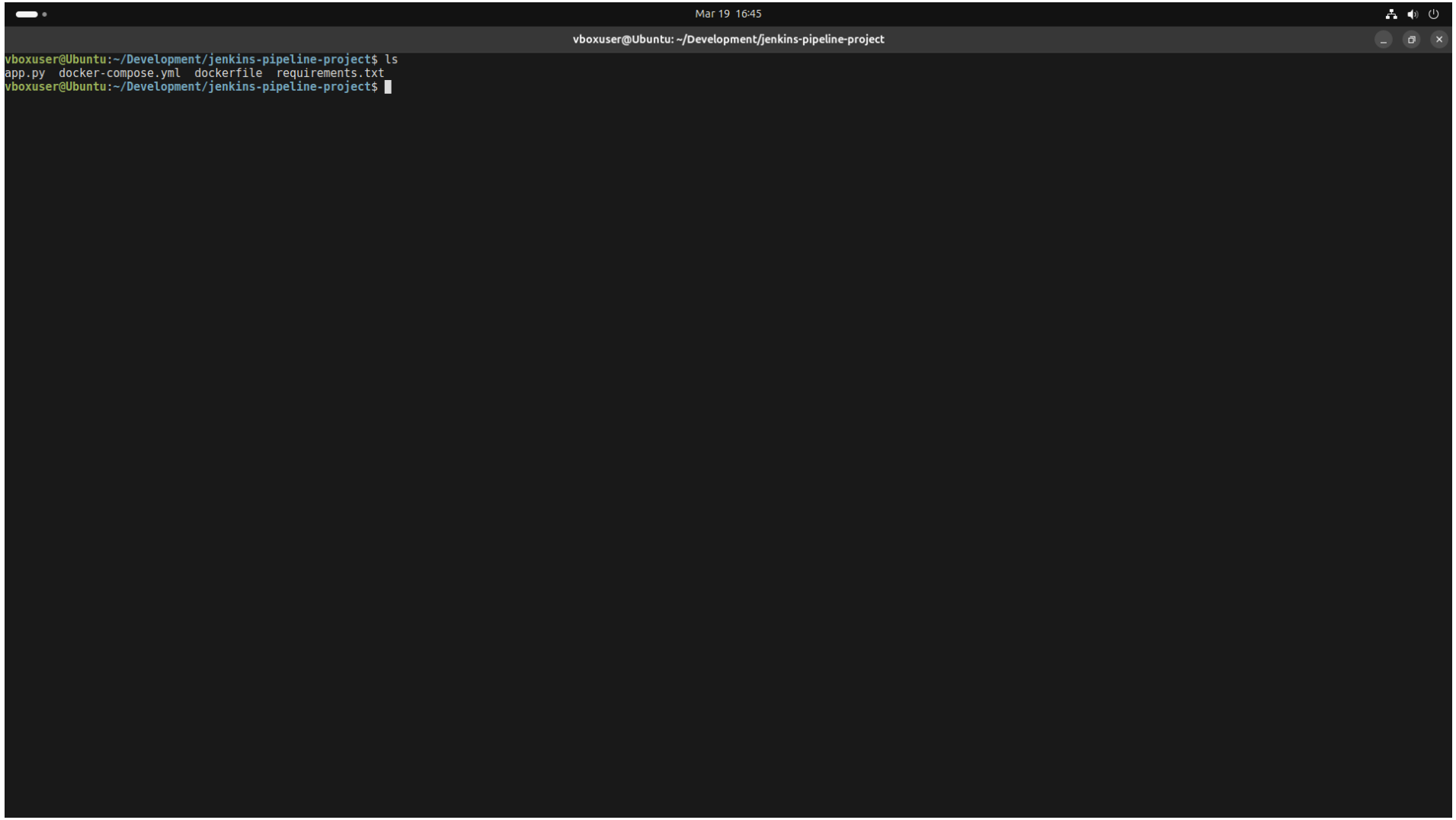
Contents of docker-compose.yml



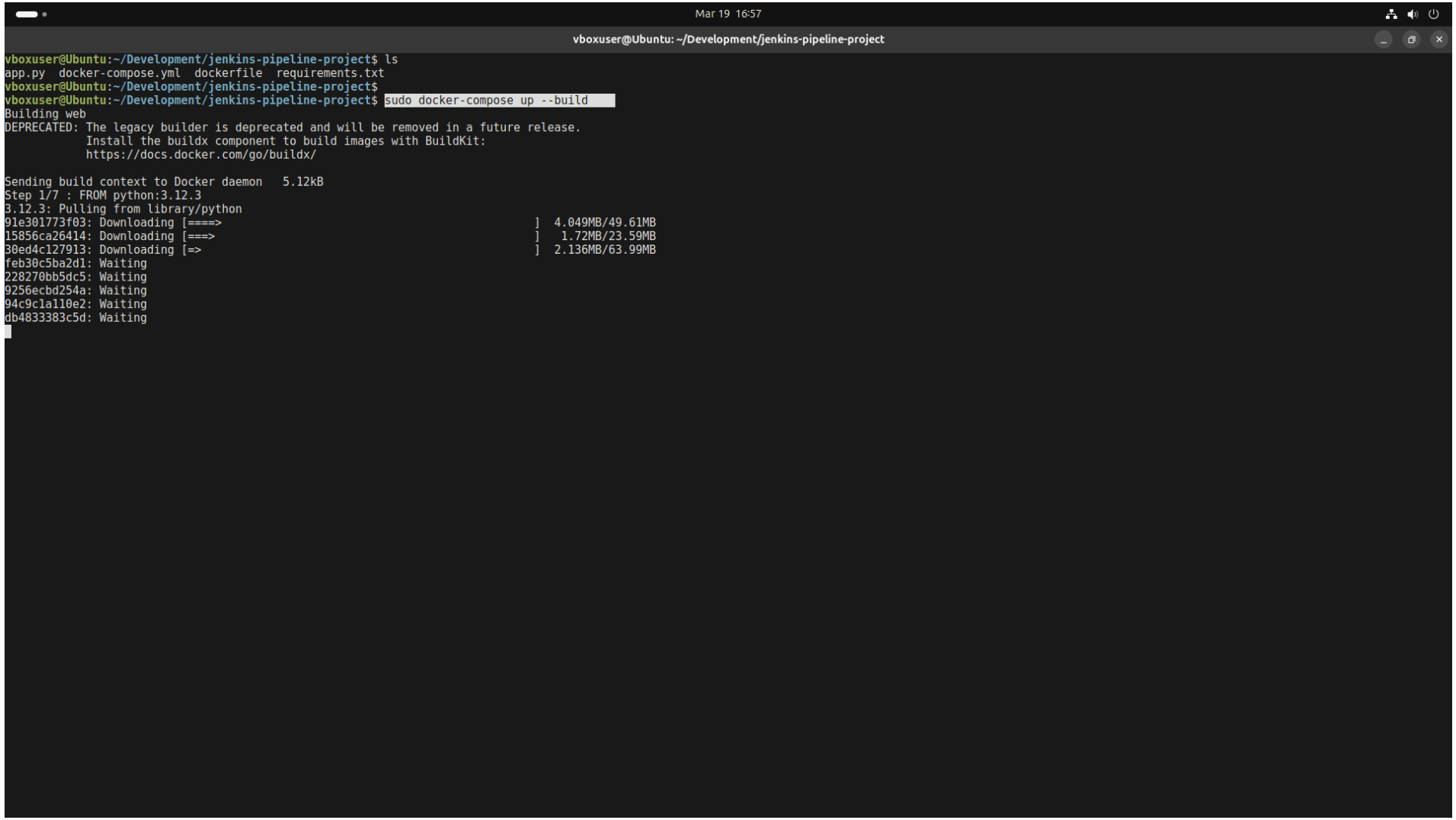
Contents of requirements.txt



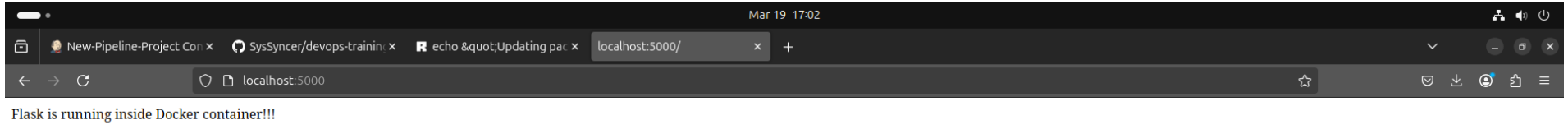
Overall project files



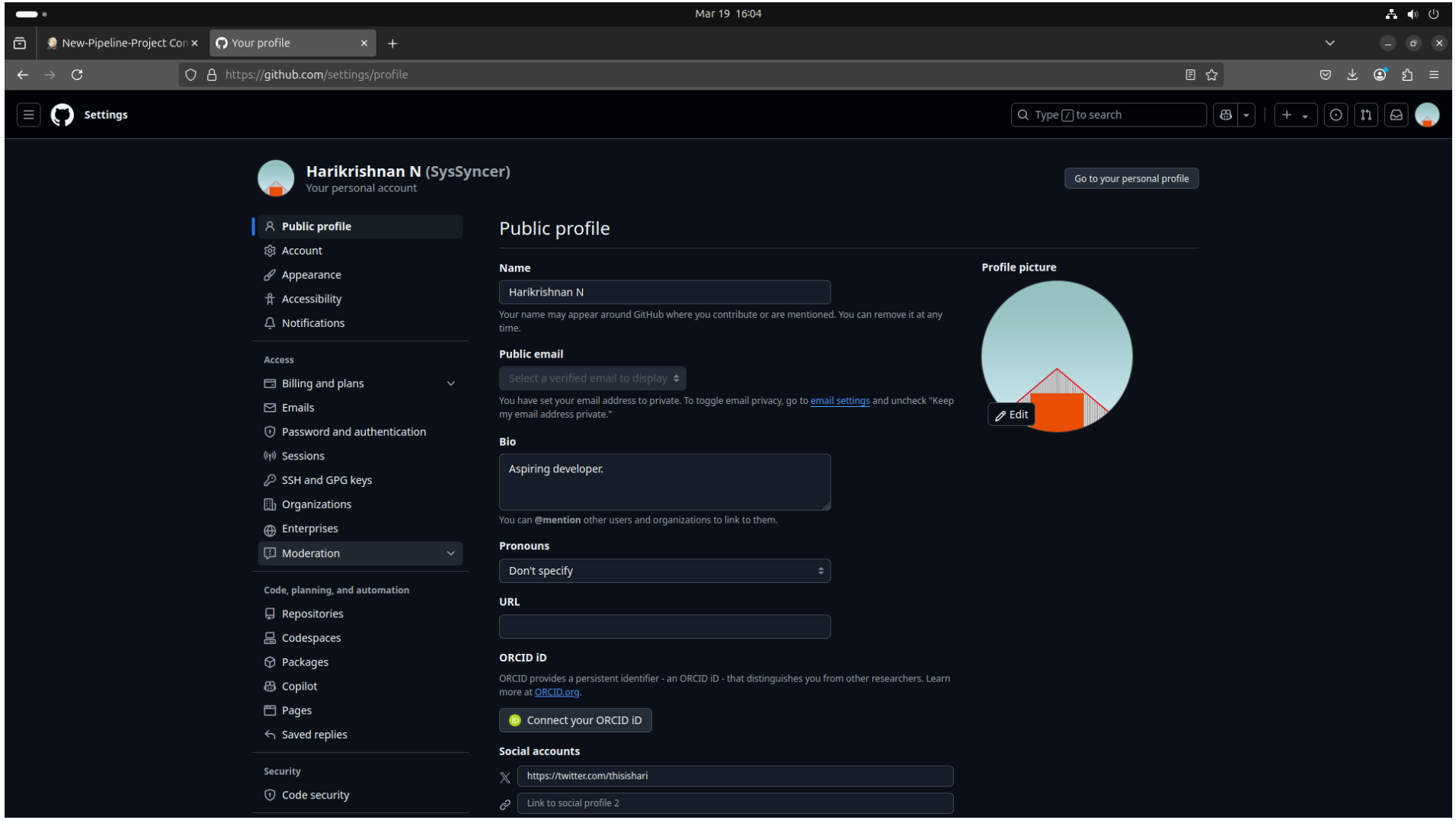
Building an image using docker-compose



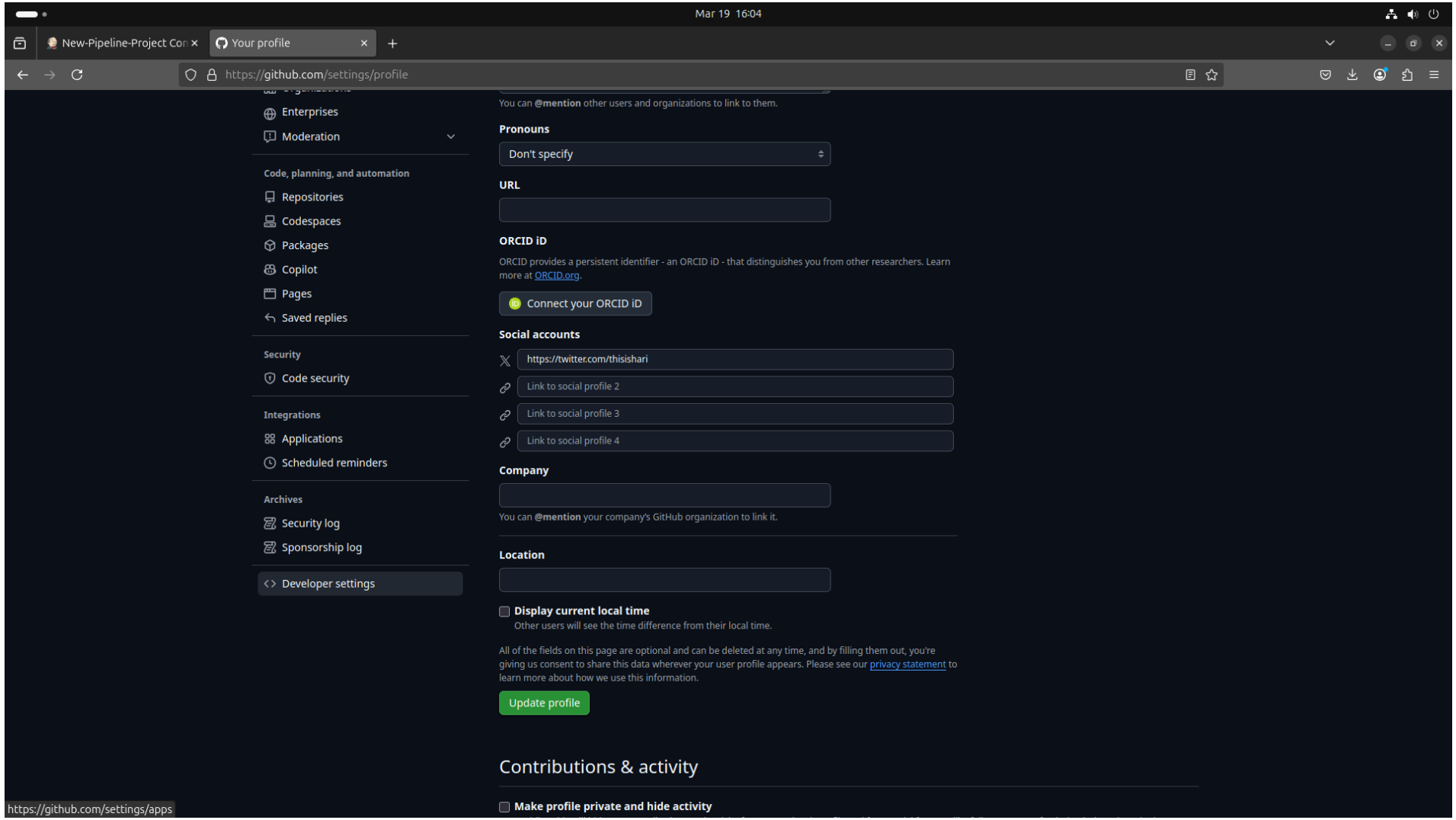
Flask application now running inside docker container



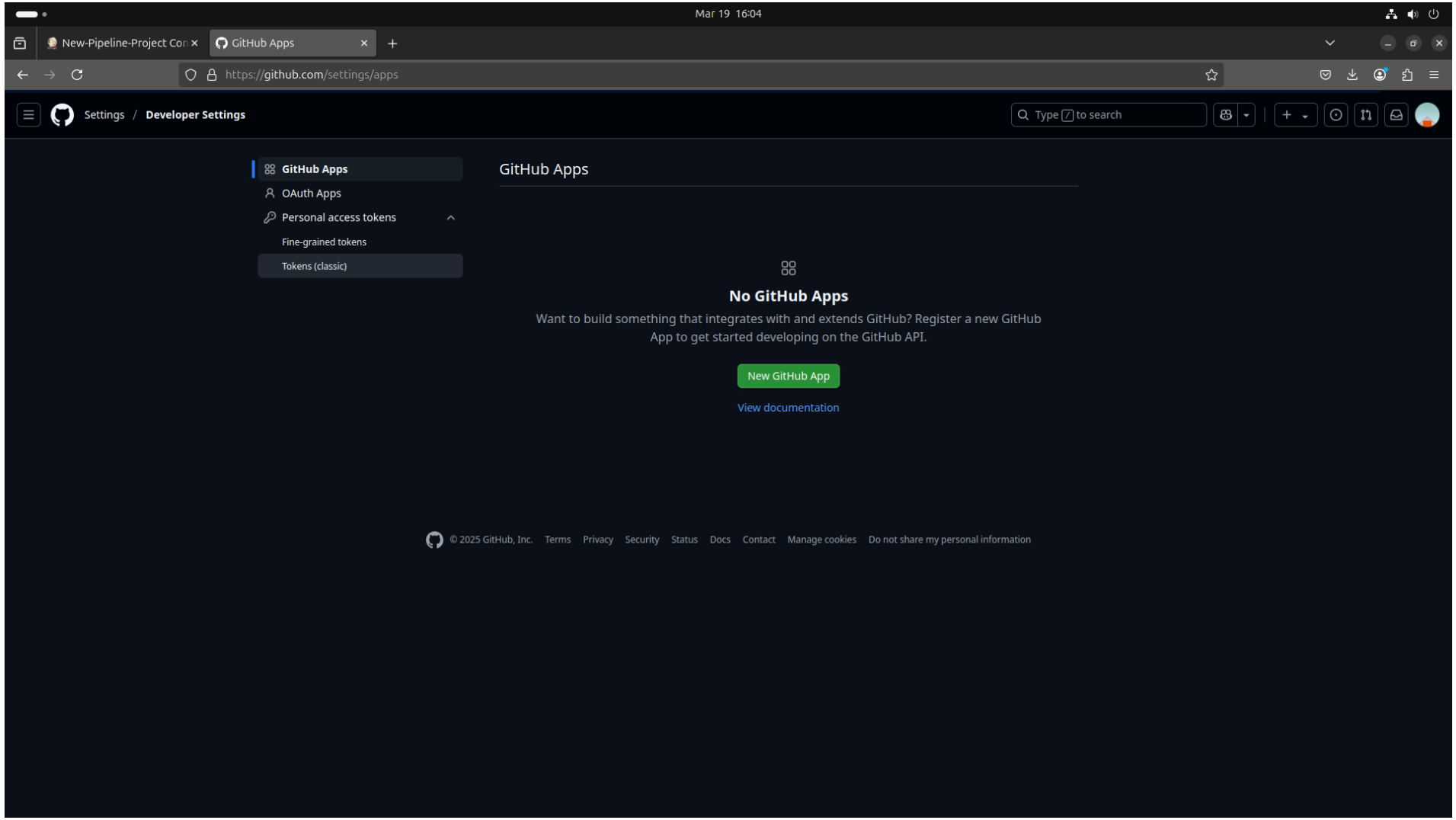
GitHub Personal Access Token Generation 1



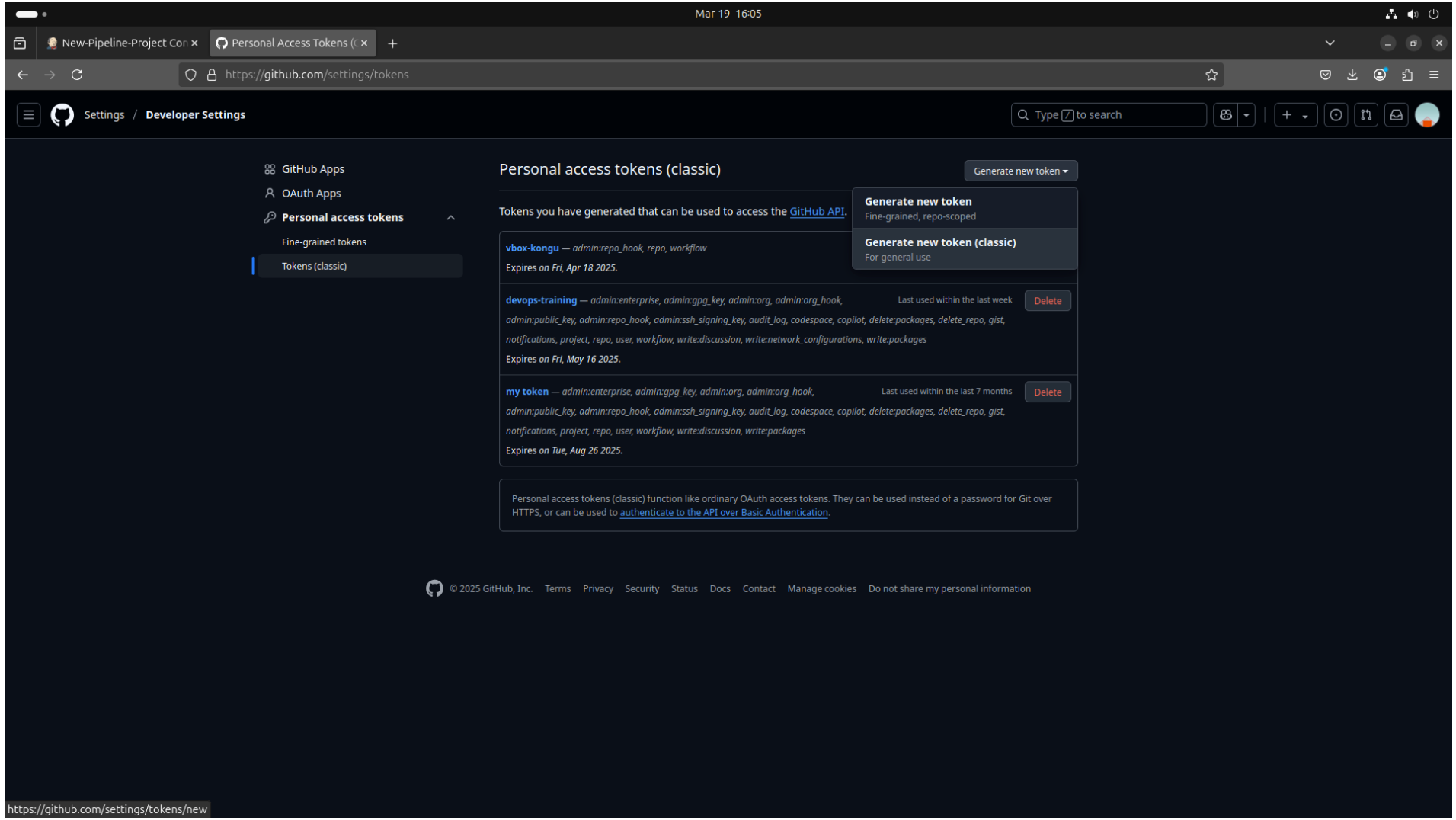
GitHub Personal Access Token Generation 2



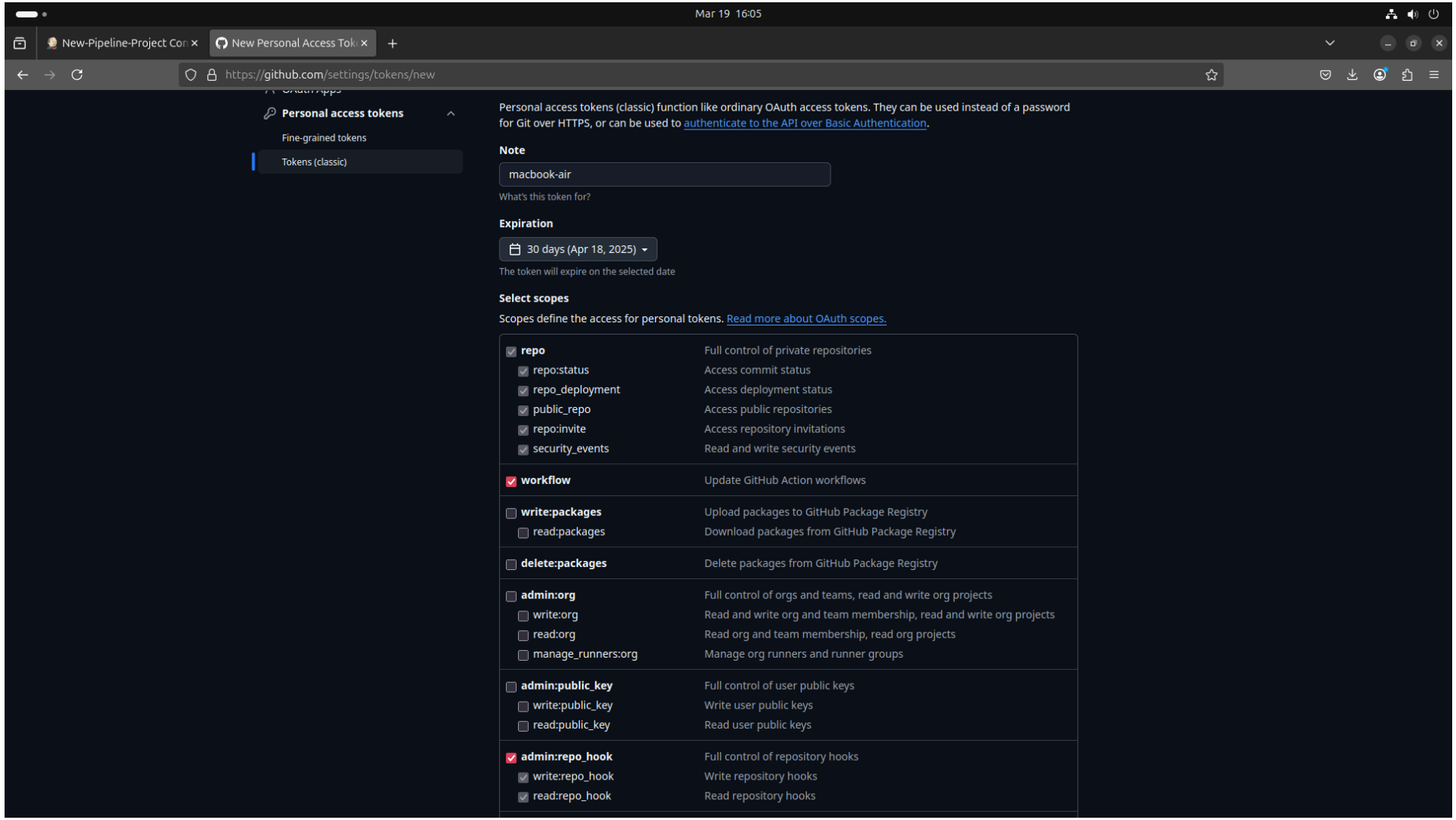
GitHub Personal Access Token Generation 3



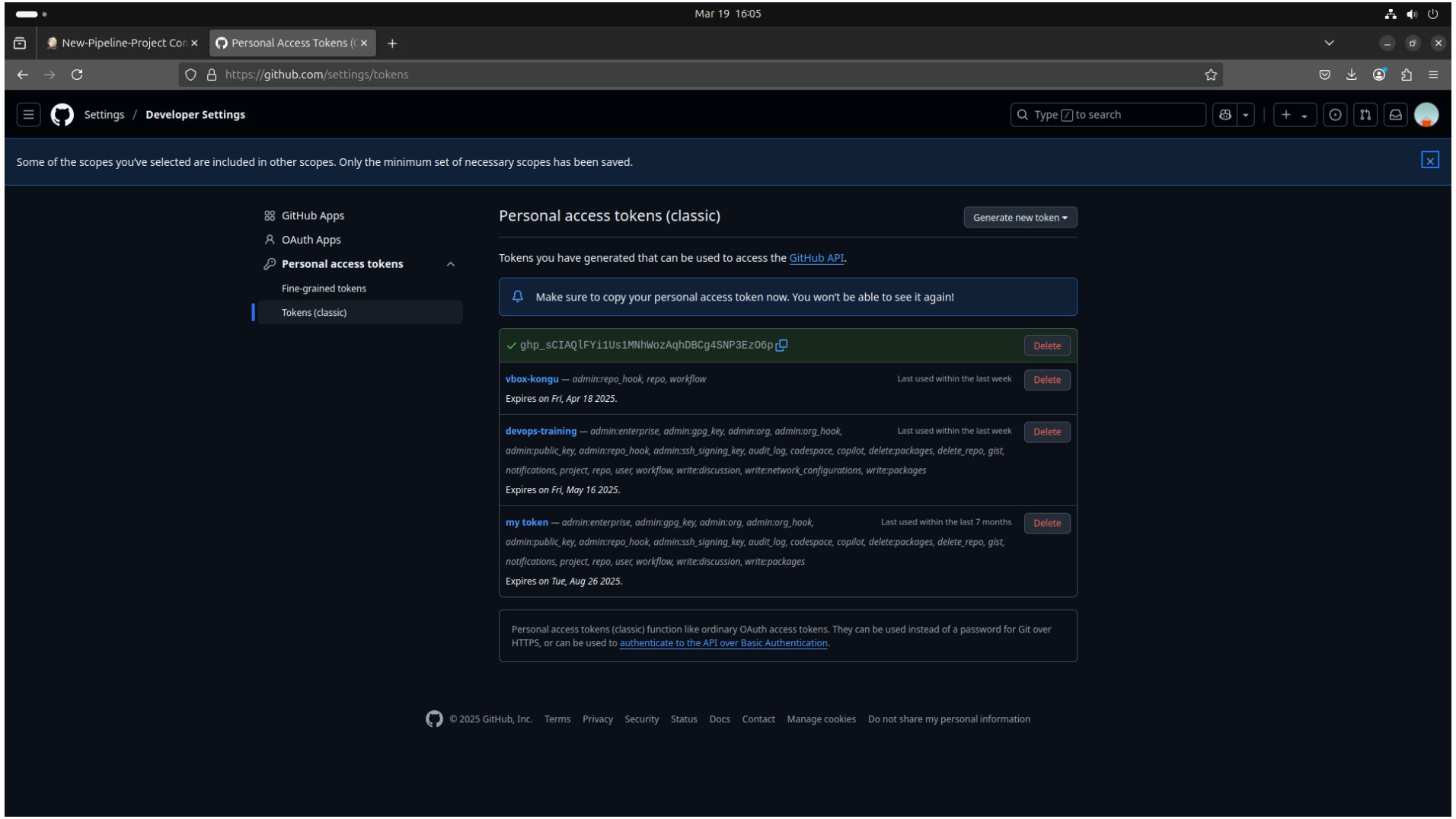
GitHub Personal Access Token Generation 4



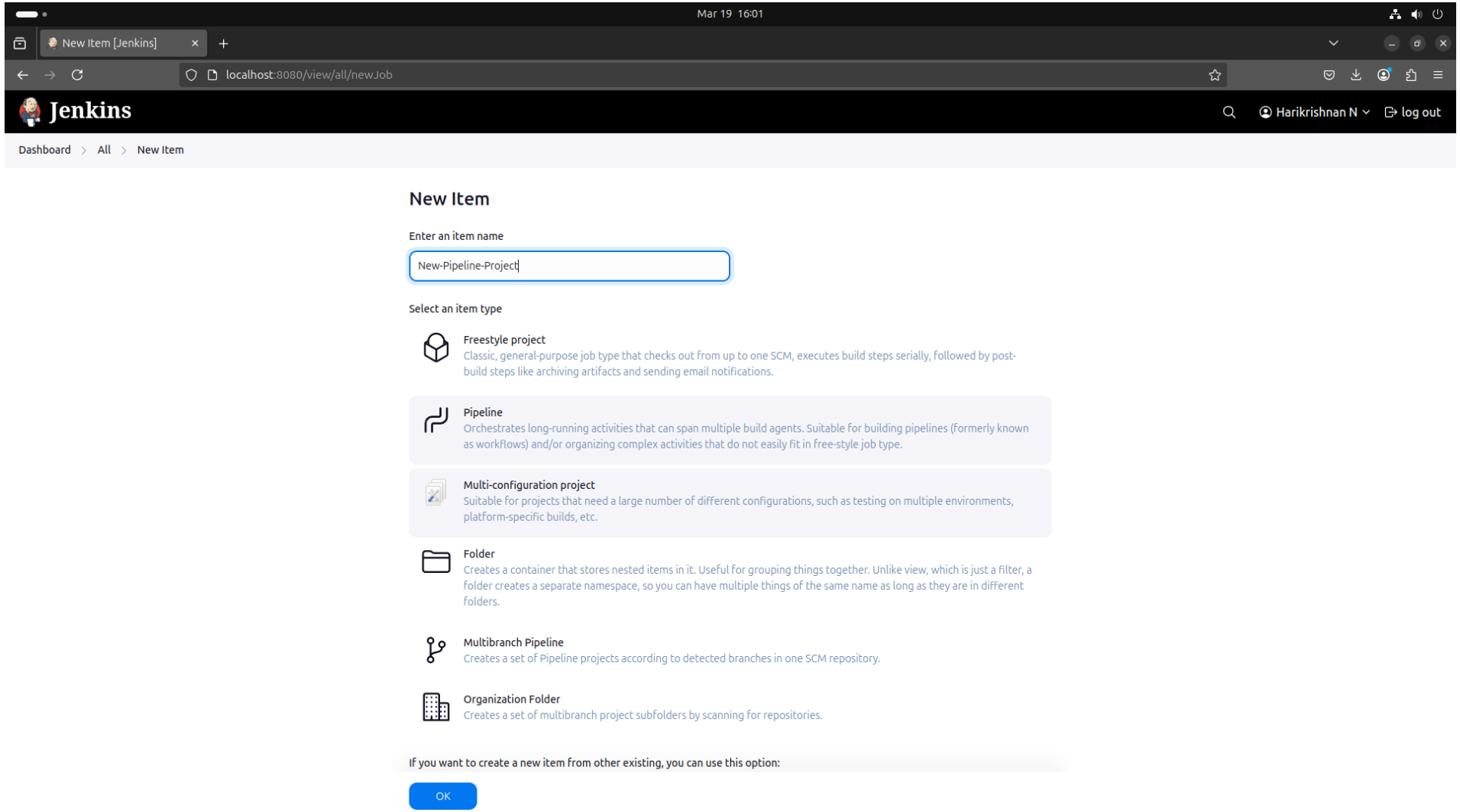
GitHub Personal Access Token Generation 5



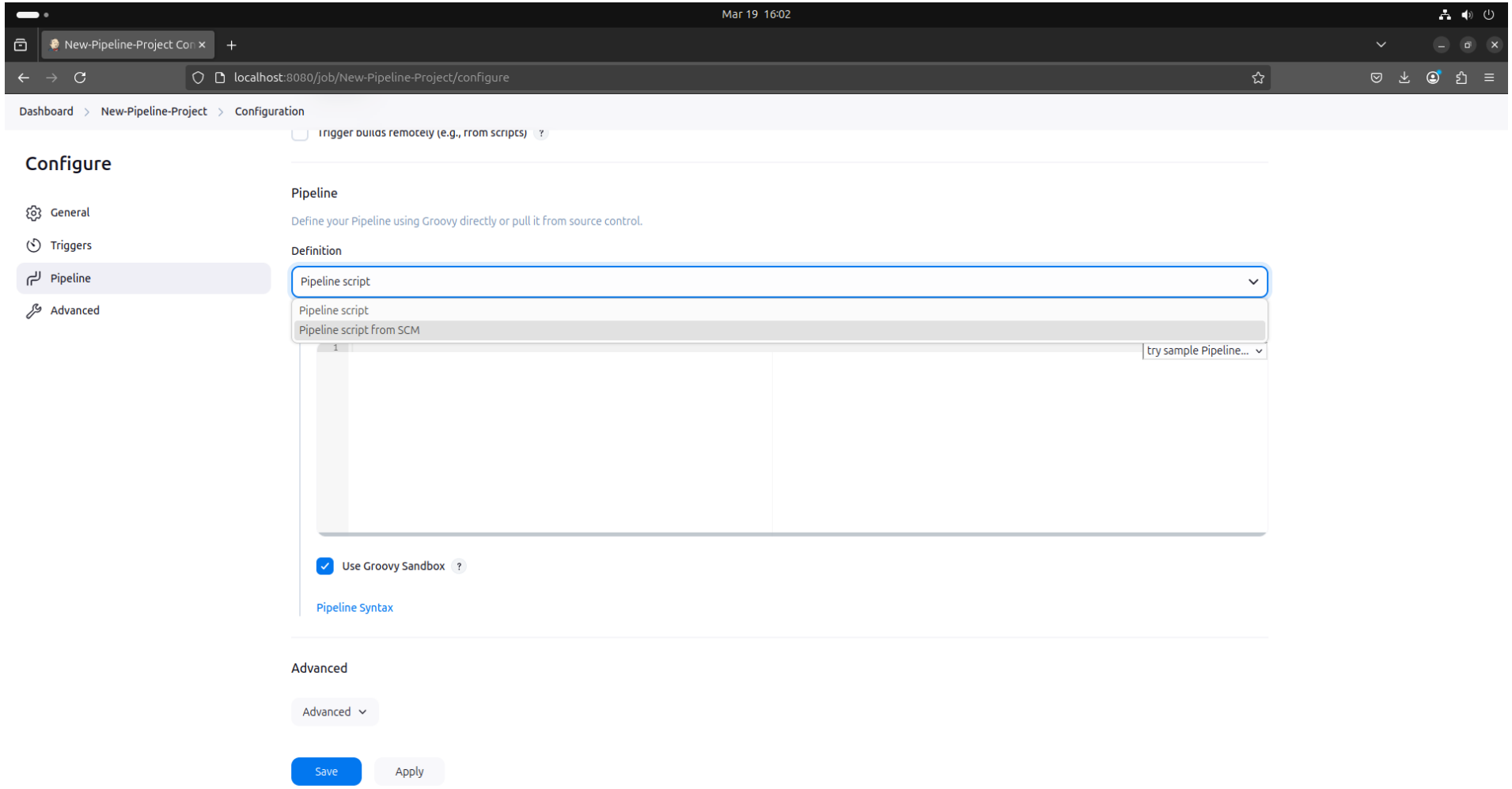
GitHub Personal Access Token Generation 6



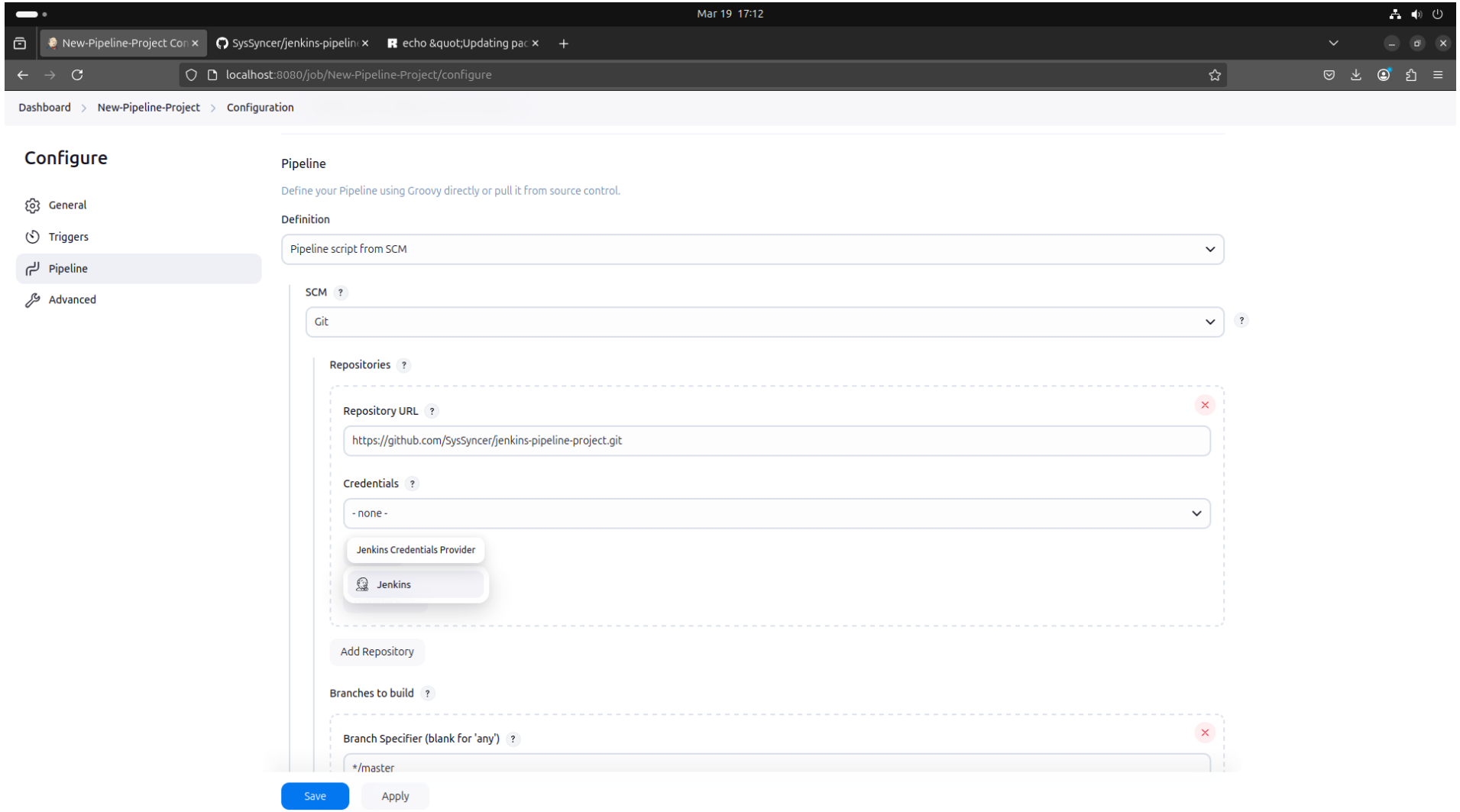
Creating a pipeline project with Jenkins and dockerhub



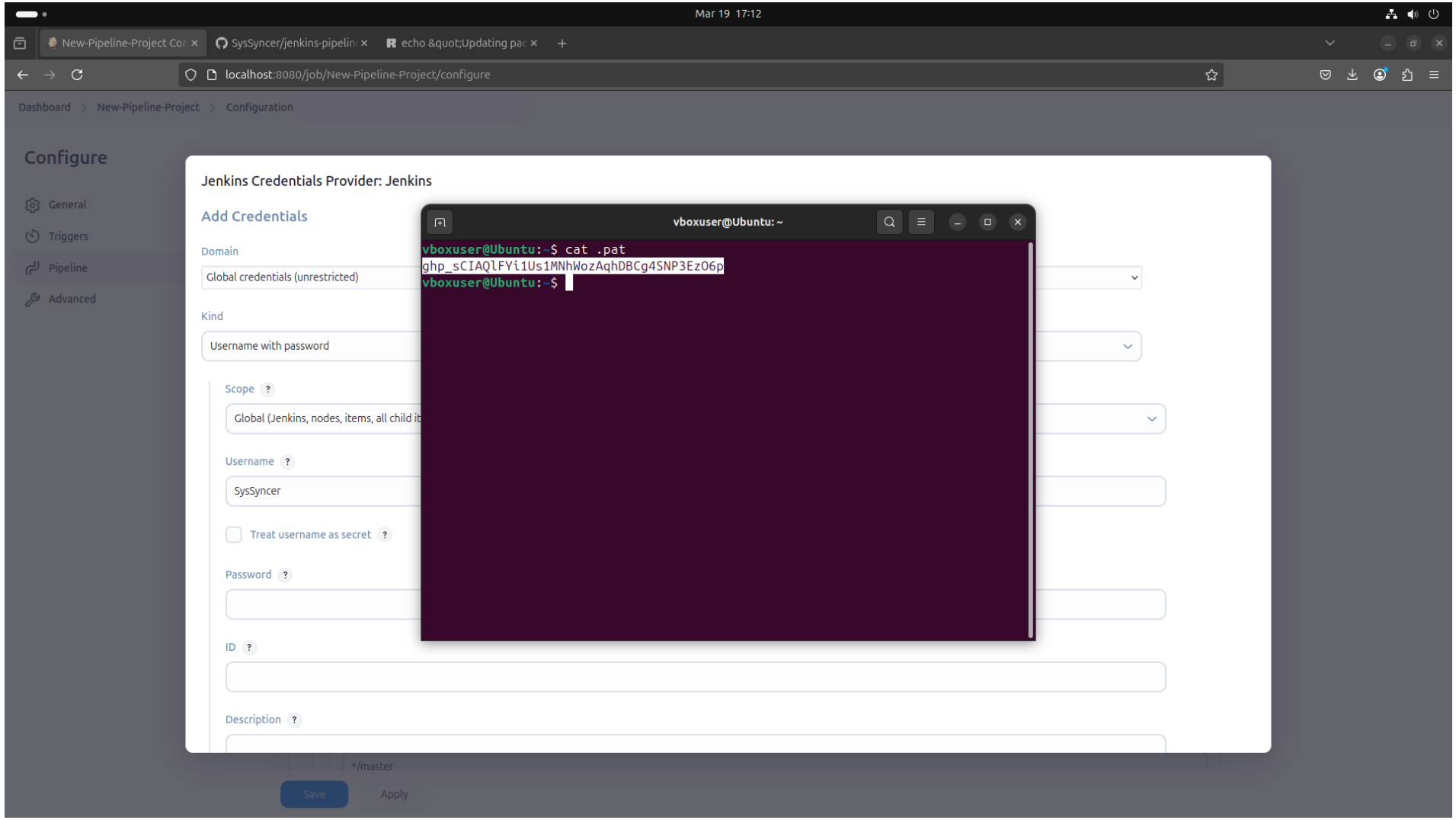
Configuring pipeline script 1



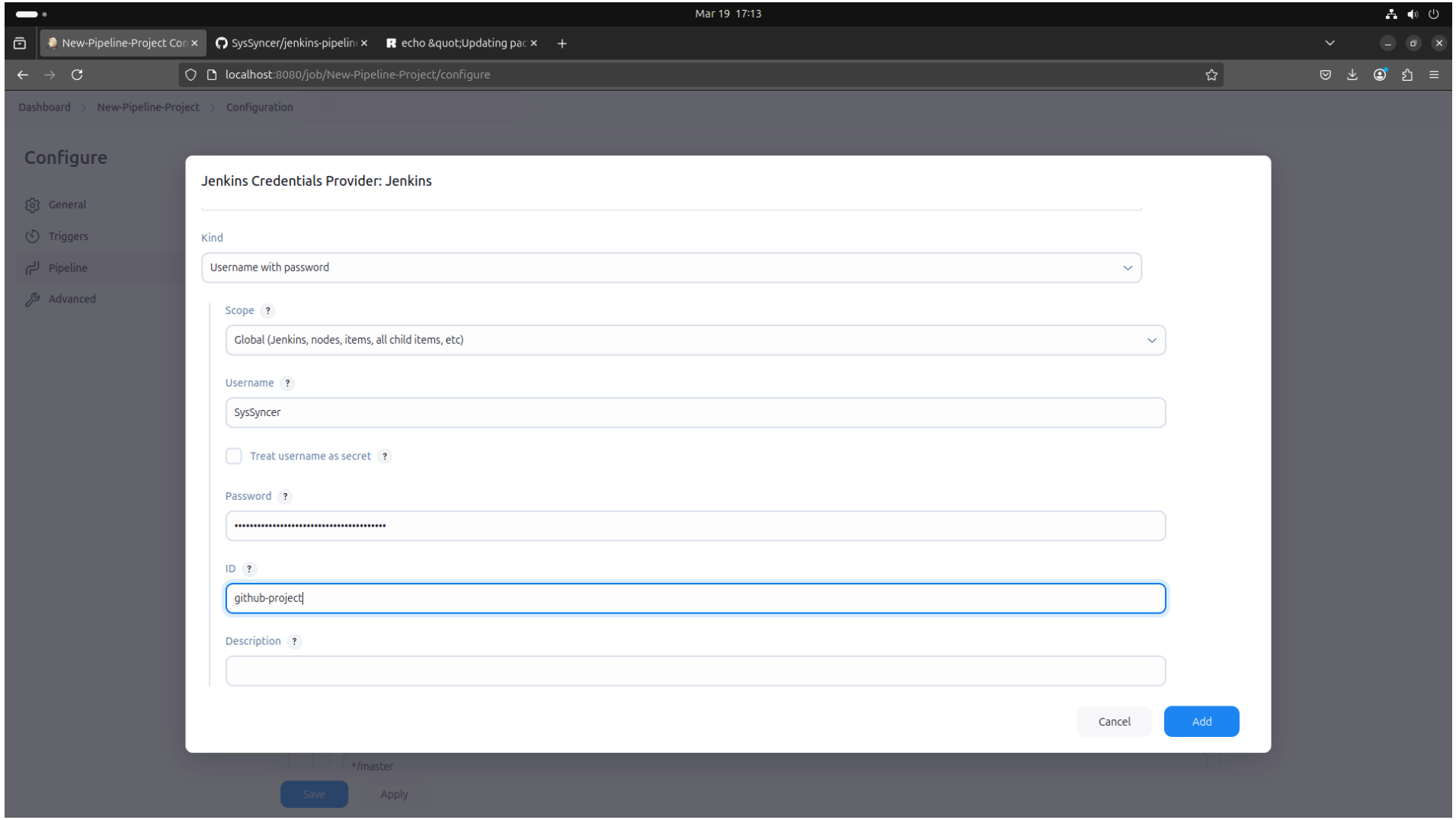
Configuring pipeline script 2



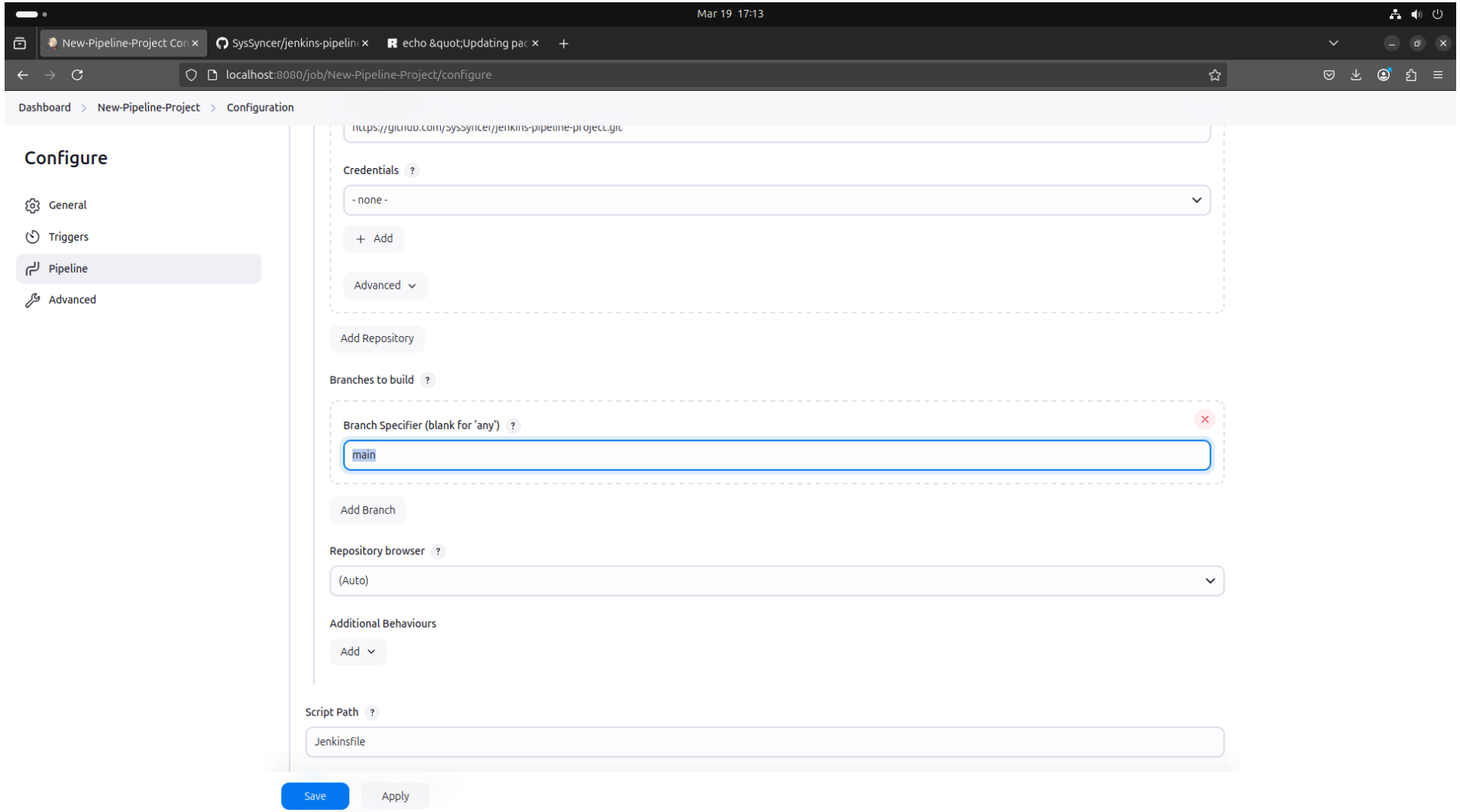
Configuring pipeline script 3



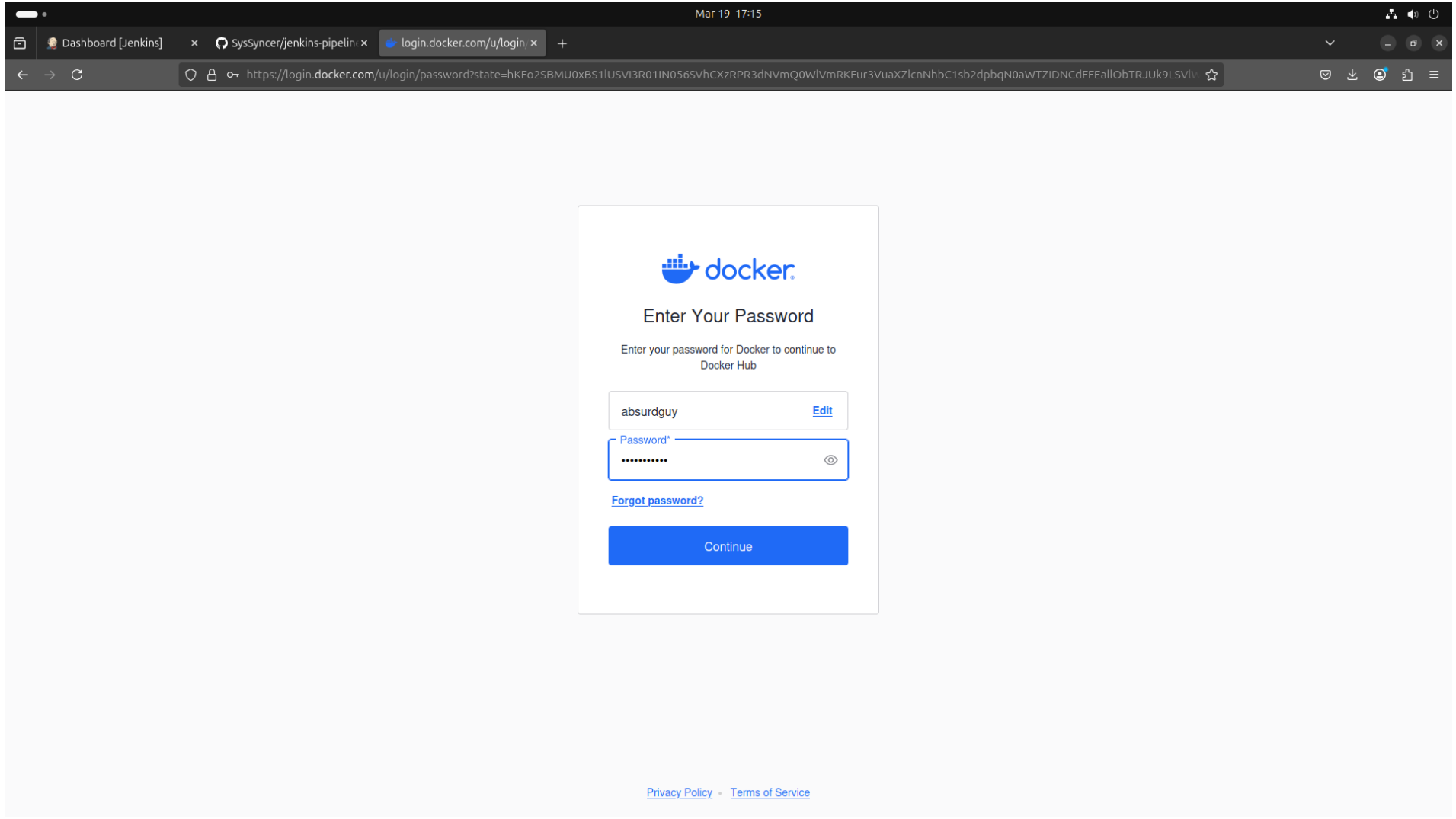
Configuring pipeline script 4



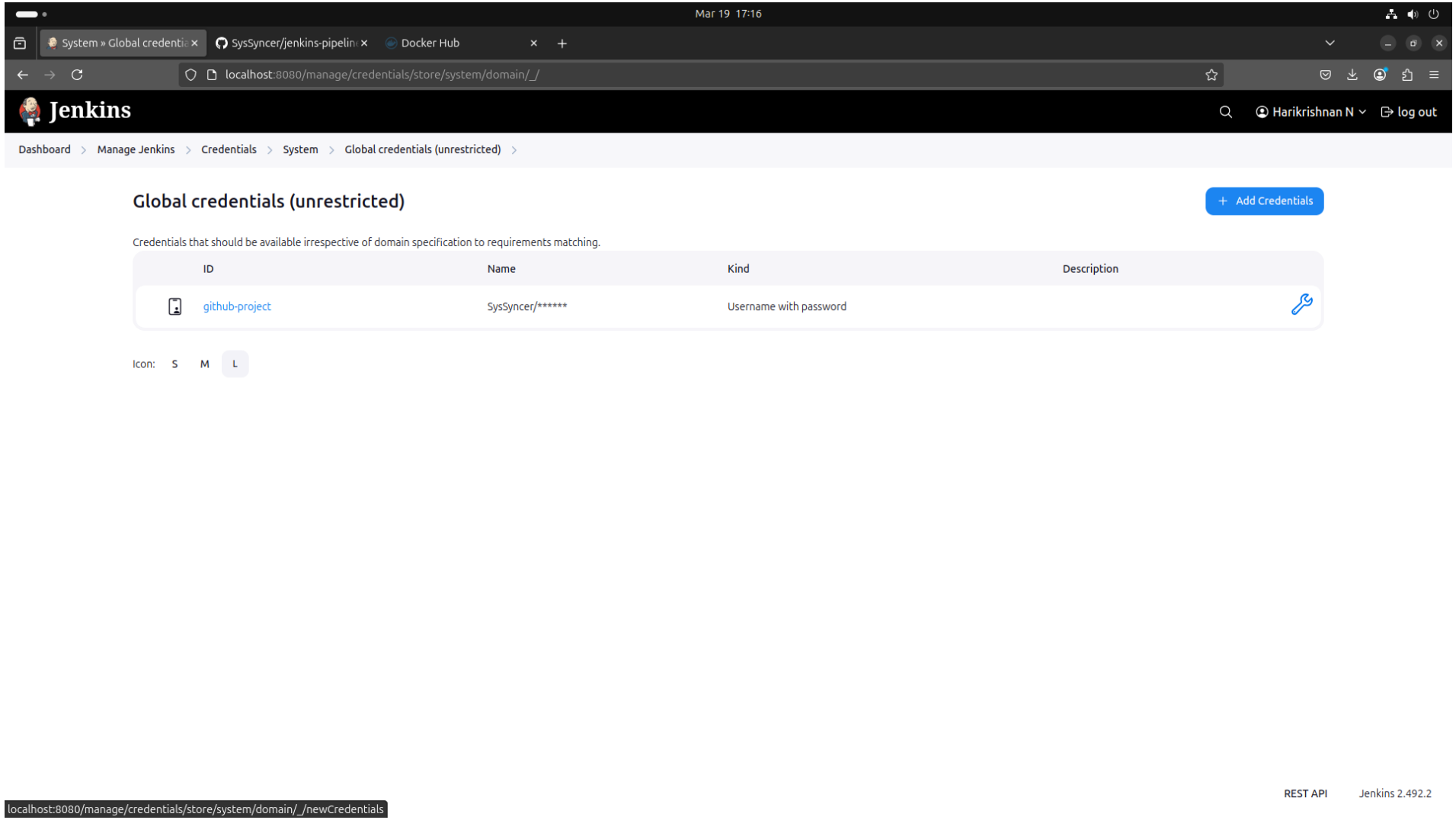
Configuring pipeline script 5



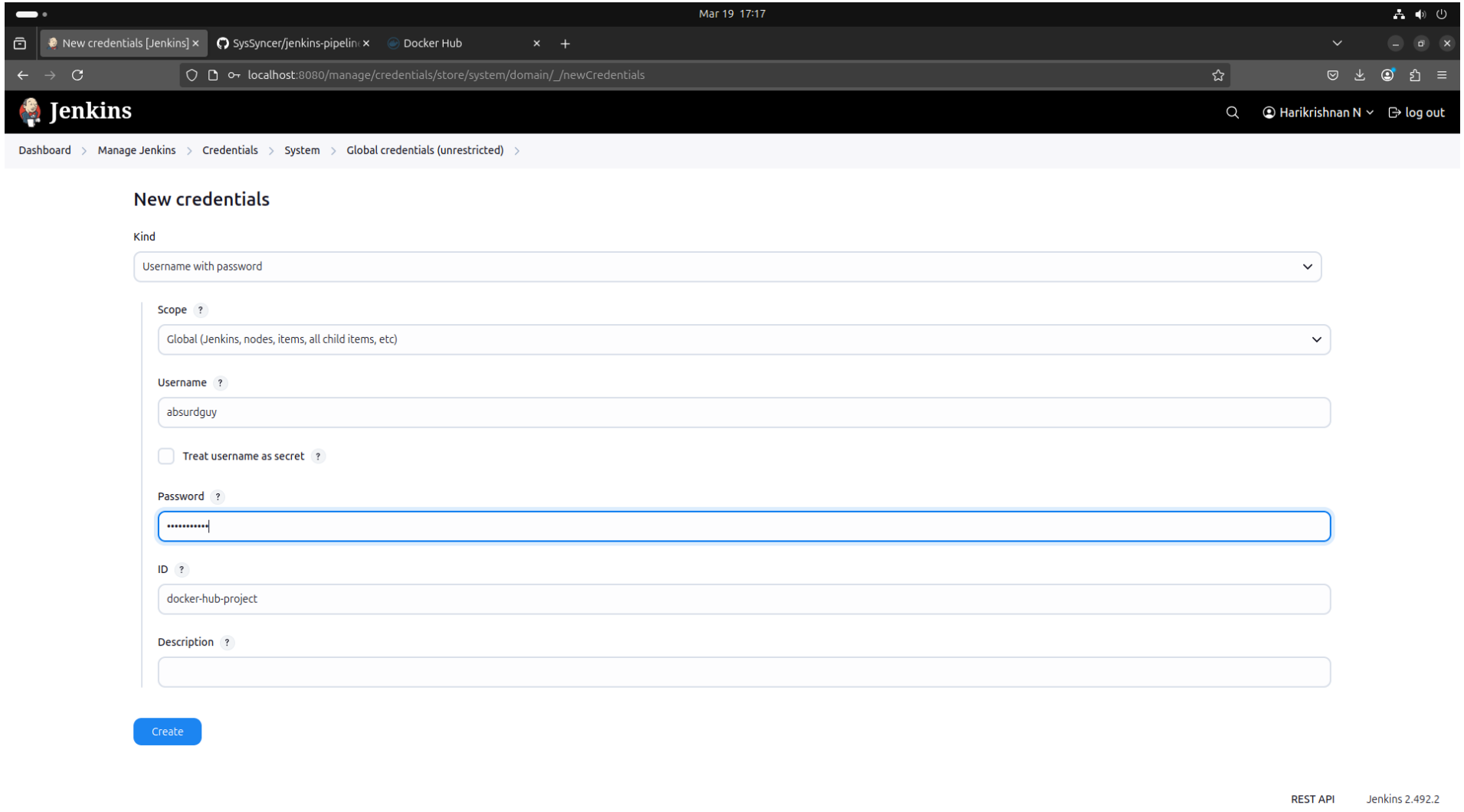
SignIn with docker hub



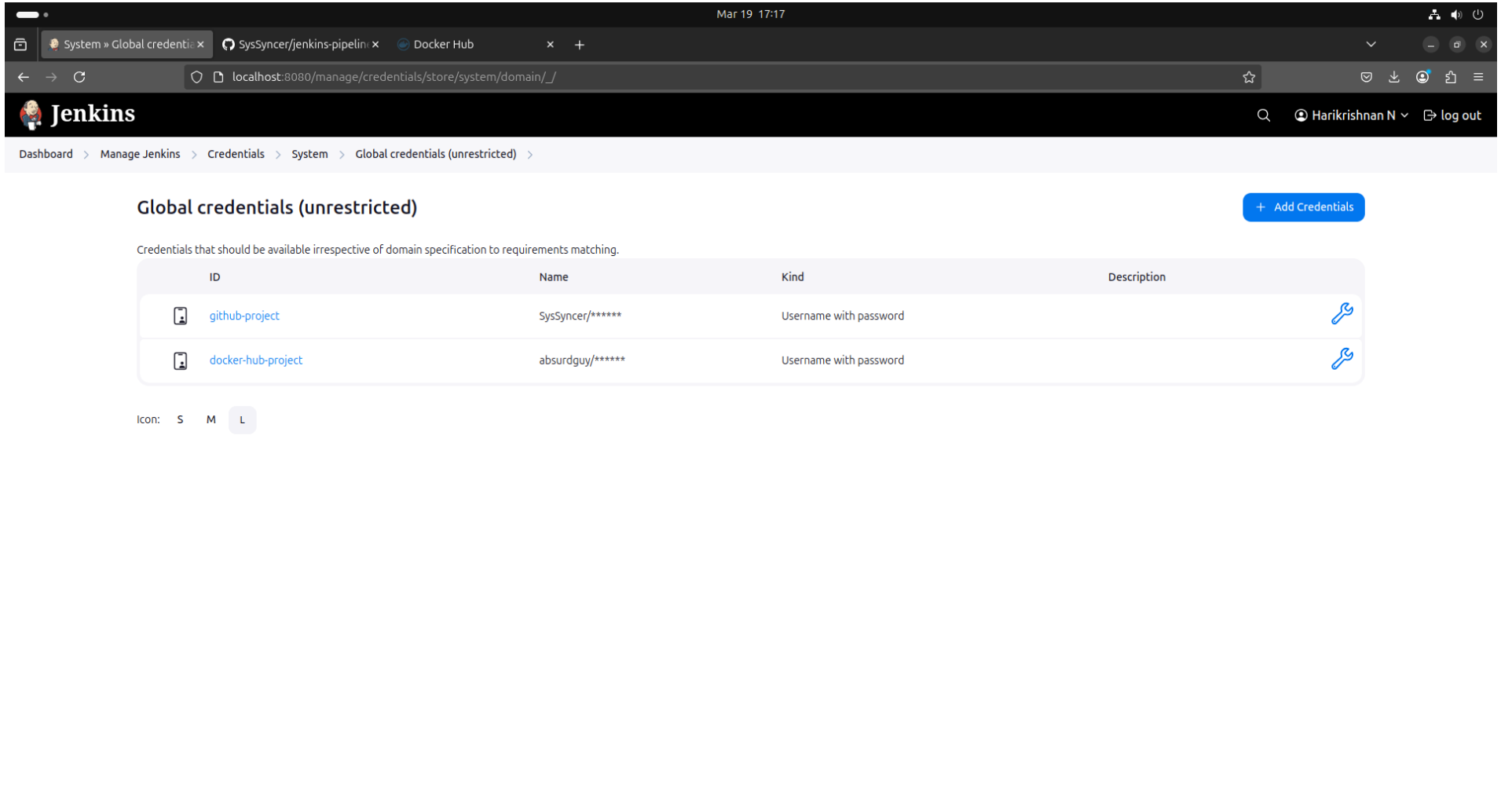
Add docker credentials in global credentials



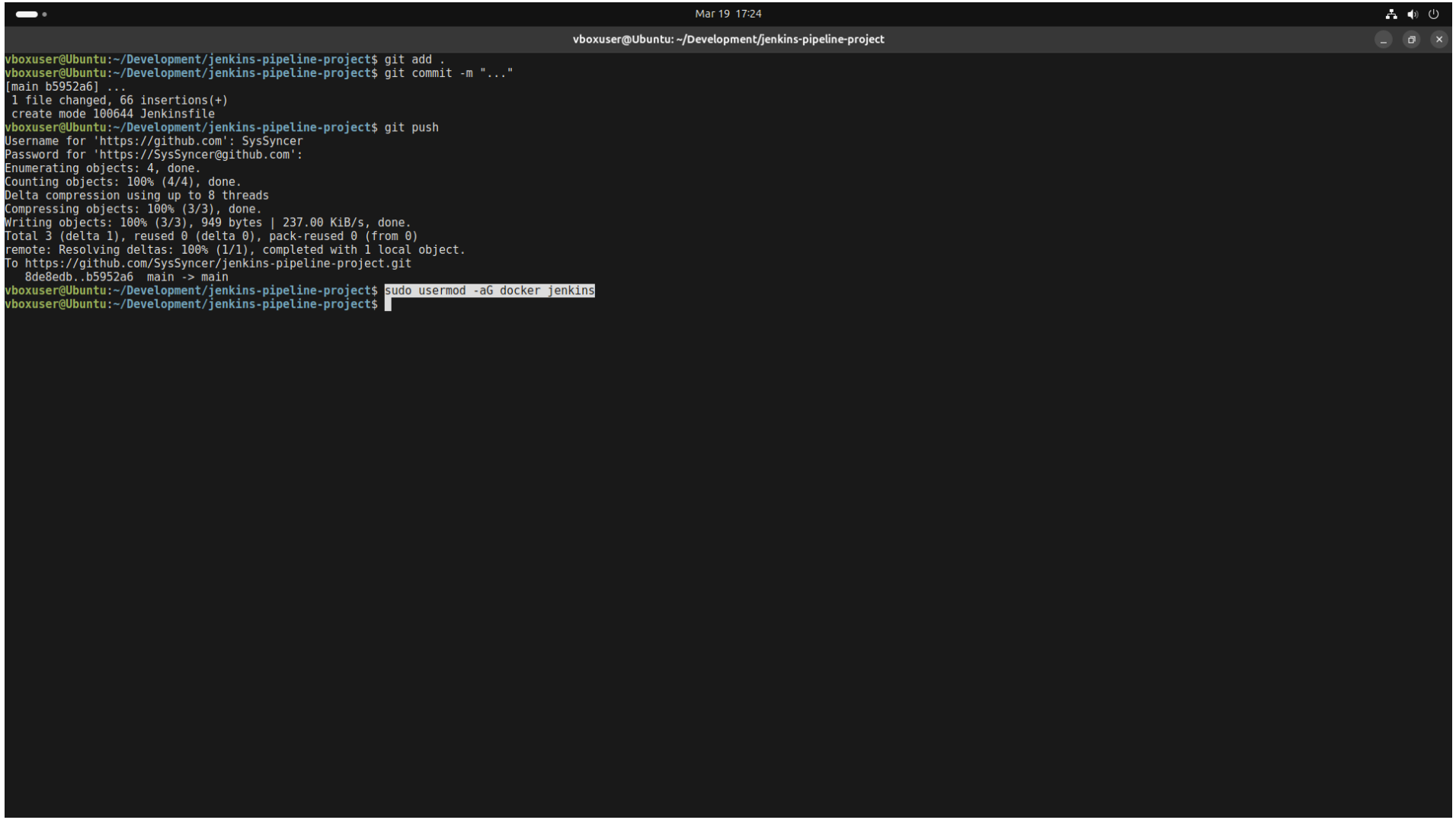
Adding docker credentials



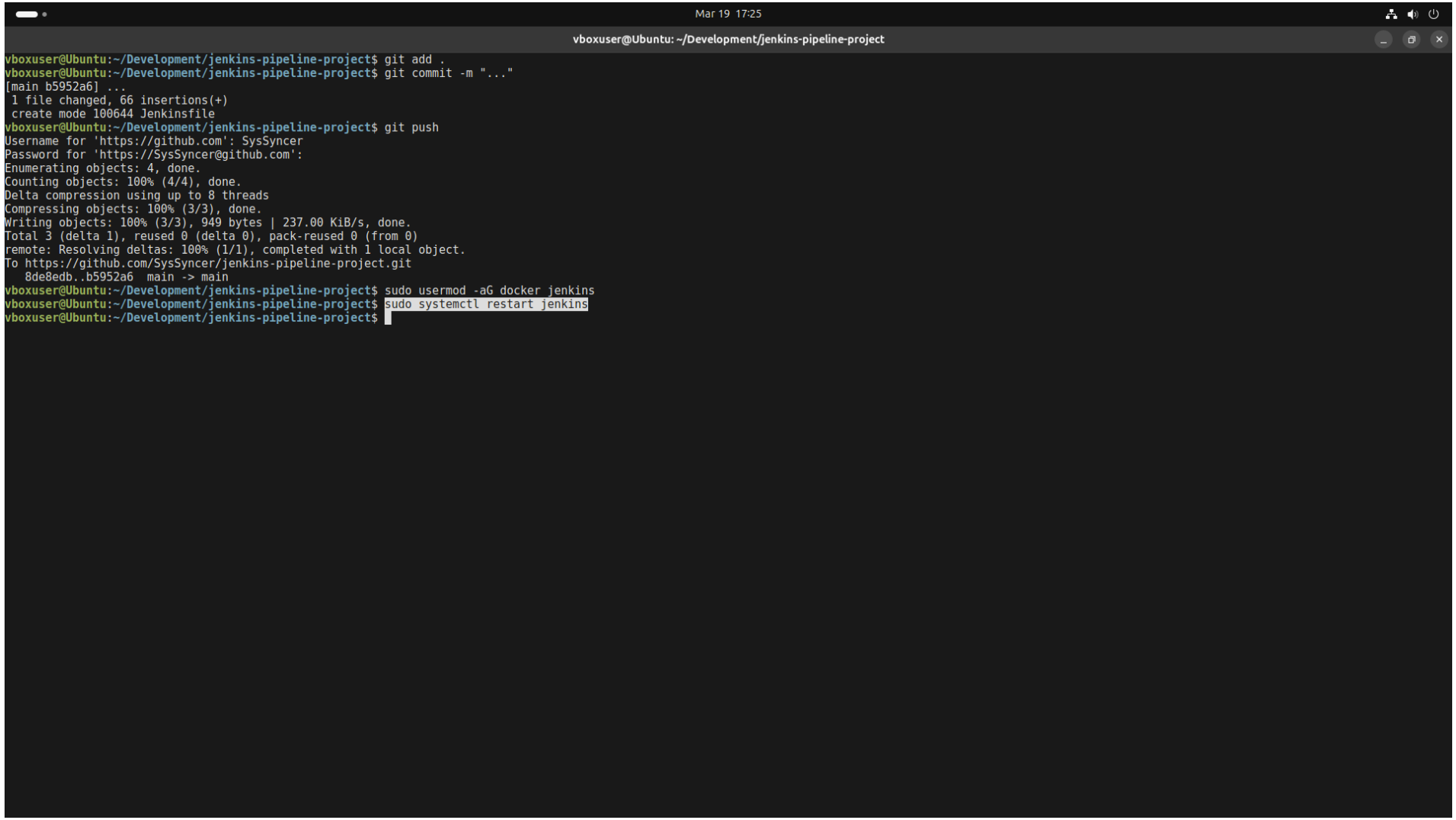
Global credentials



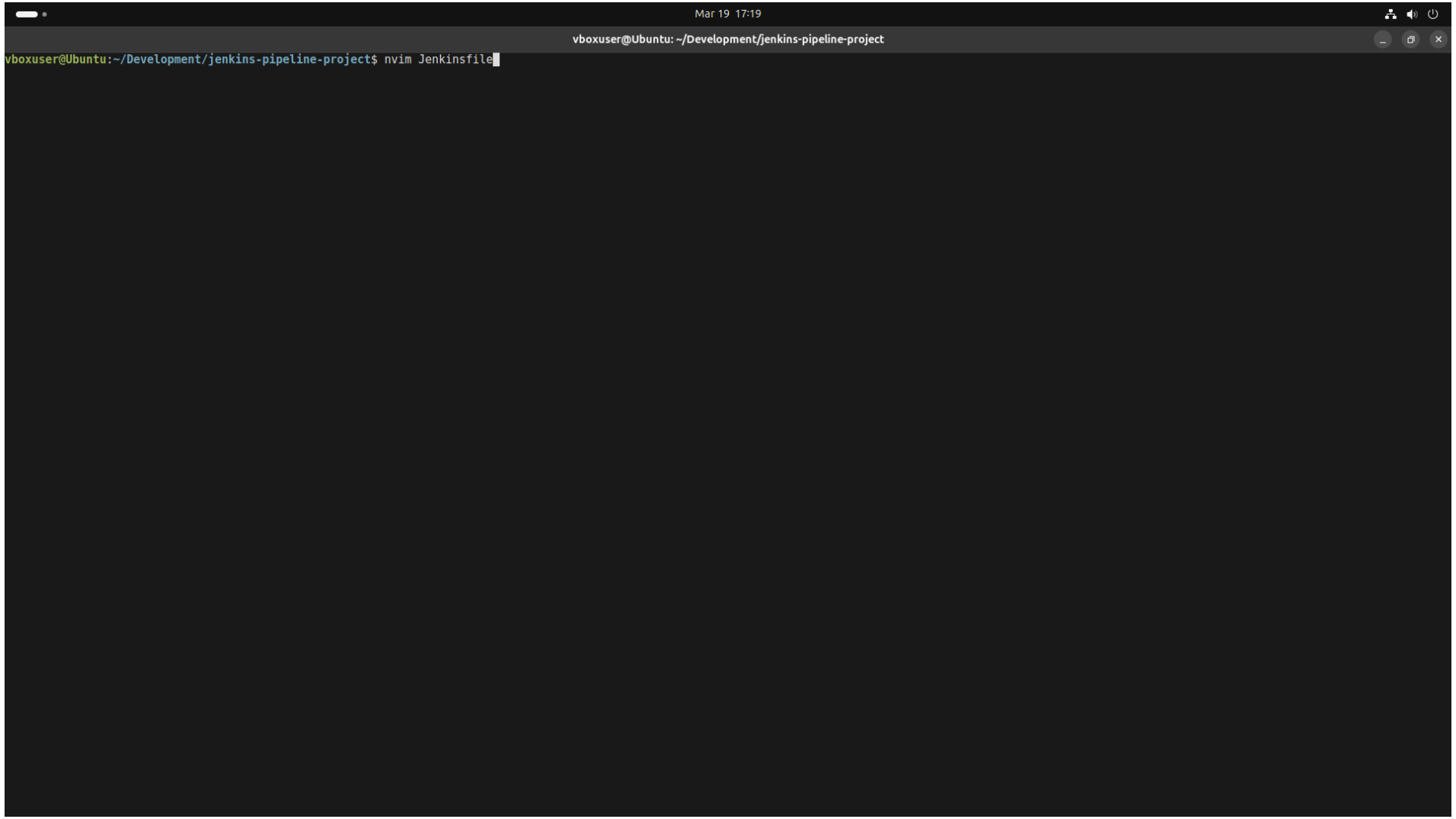
Appending Jenkins and docker in groups



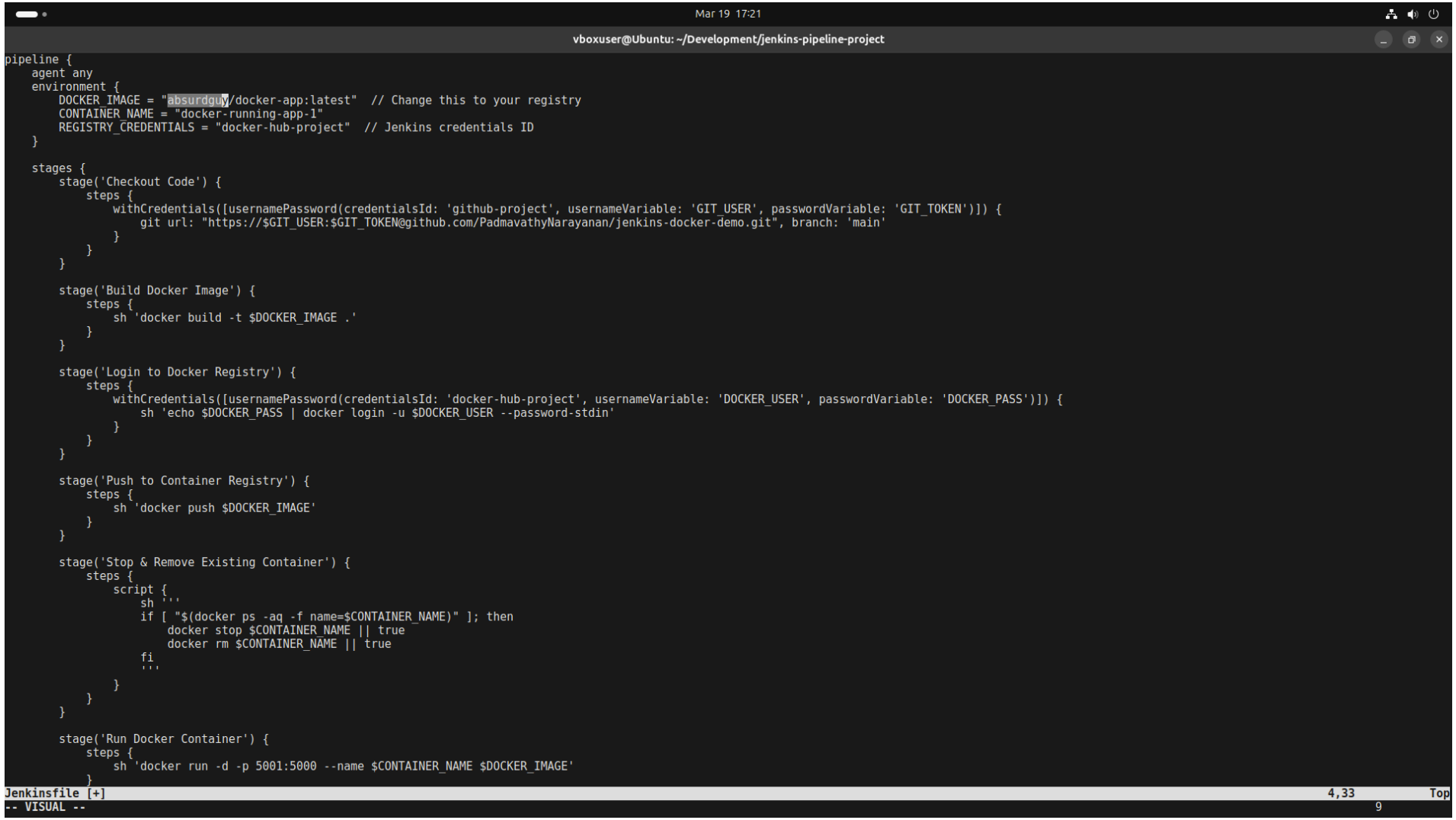
Restarting Jenkins services



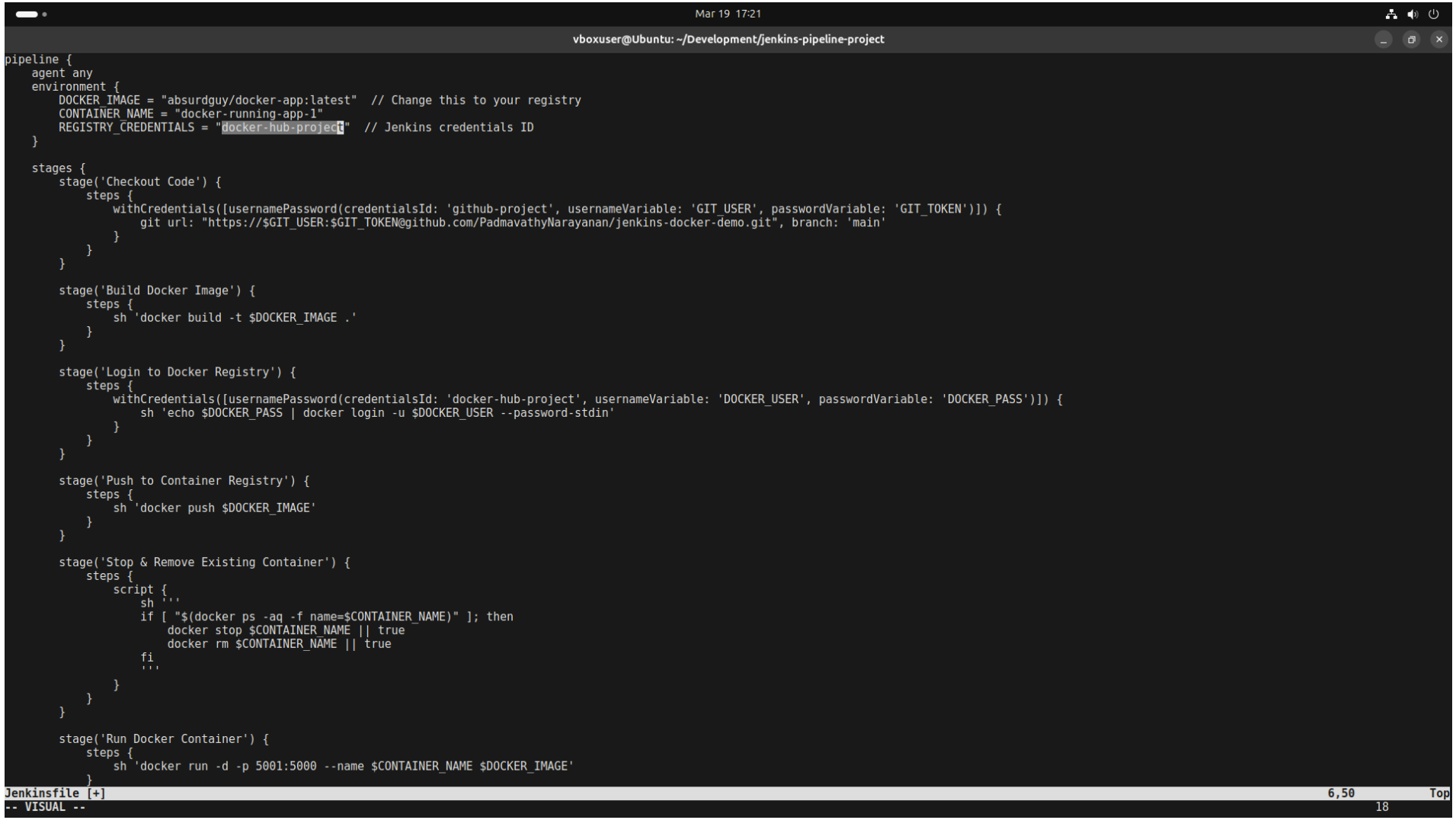
Creating Jenkinsfile to our local repo



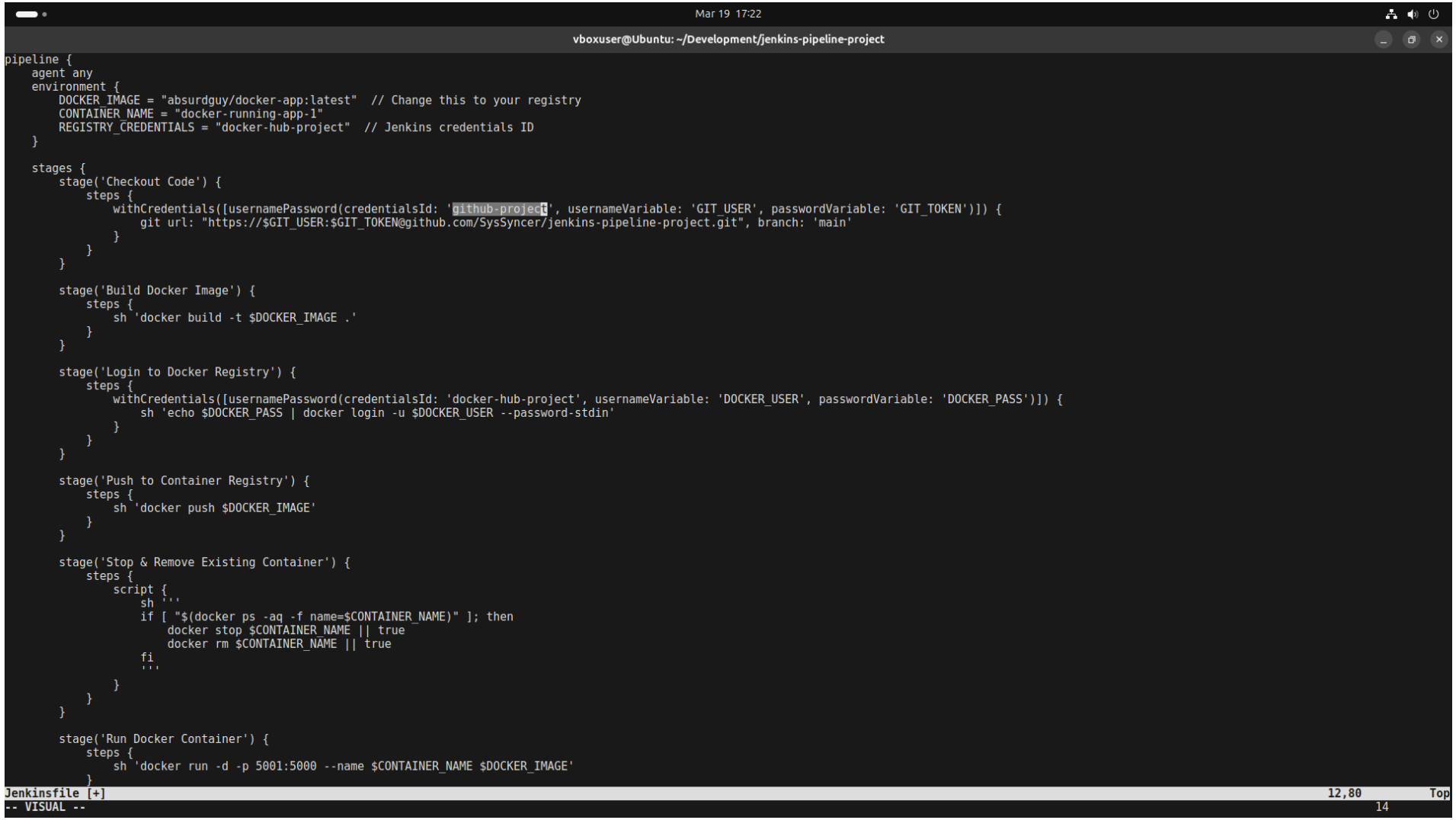
Adding Jenkinsfile configuration 1



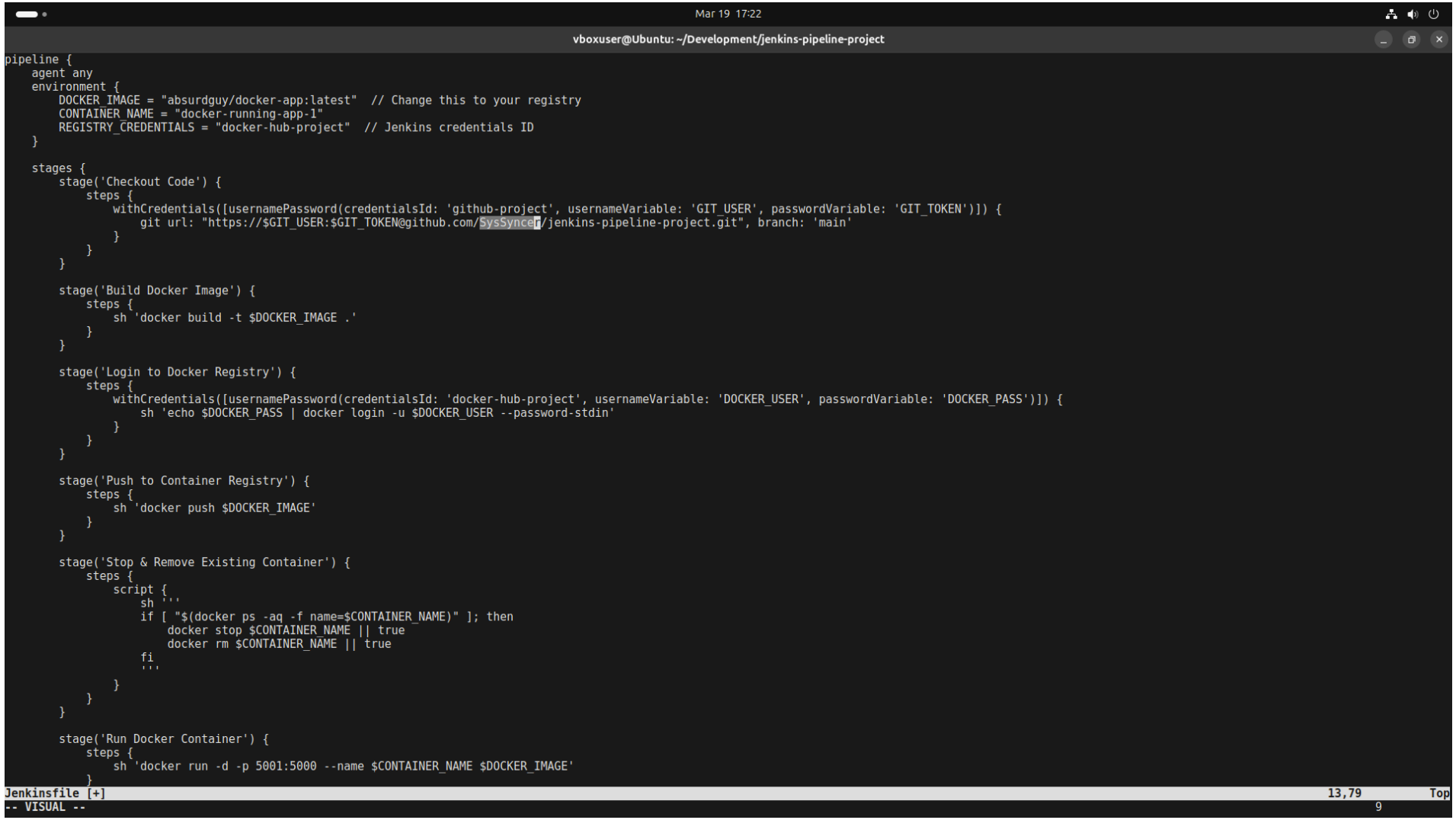
Adding Jenkinsfile configuration 2



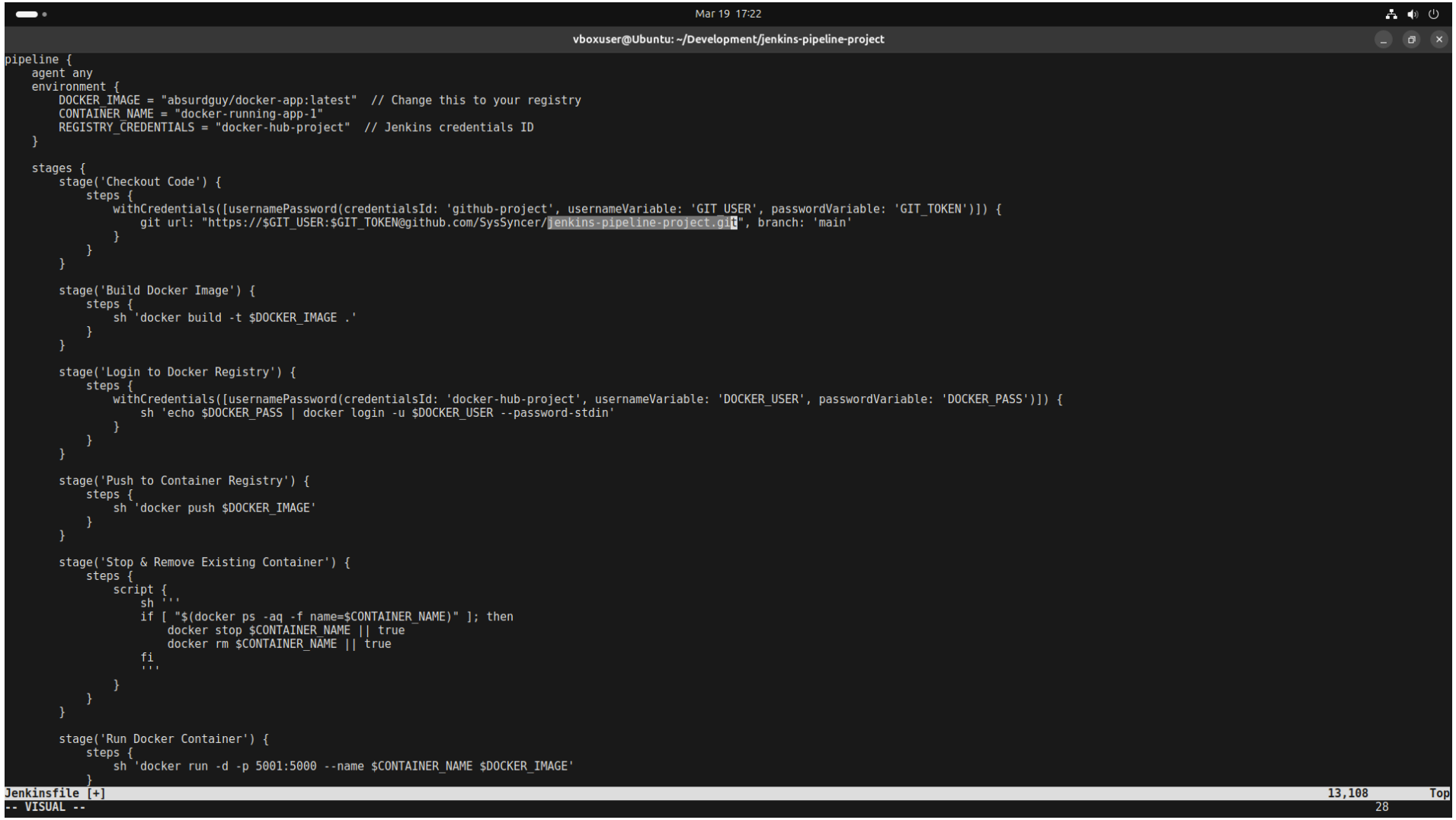
Adding Jenkinsfile configuration 3



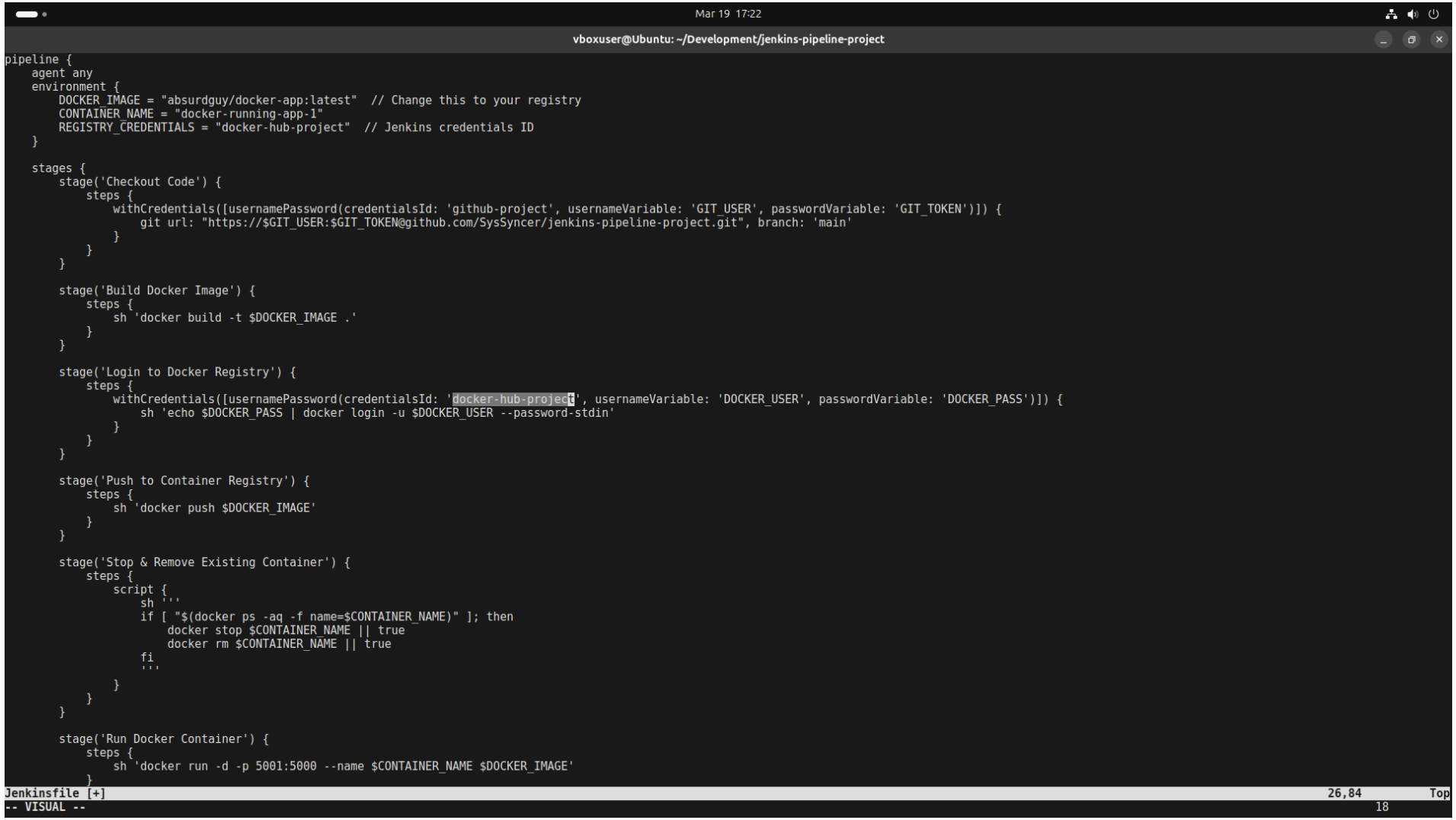
Adding Jenkinsfile configuration 4



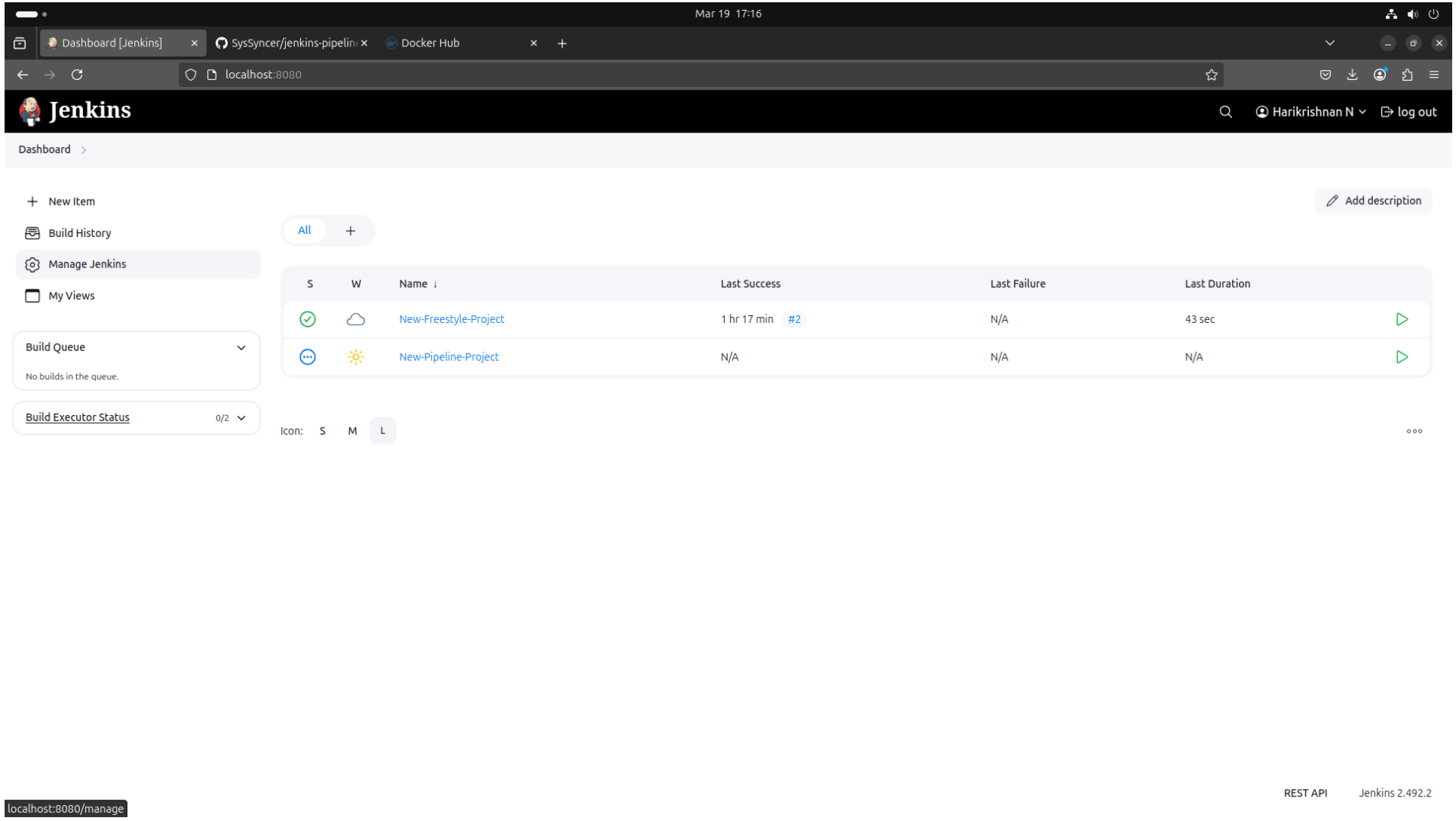
Adding Jenkinsfile configuration 5



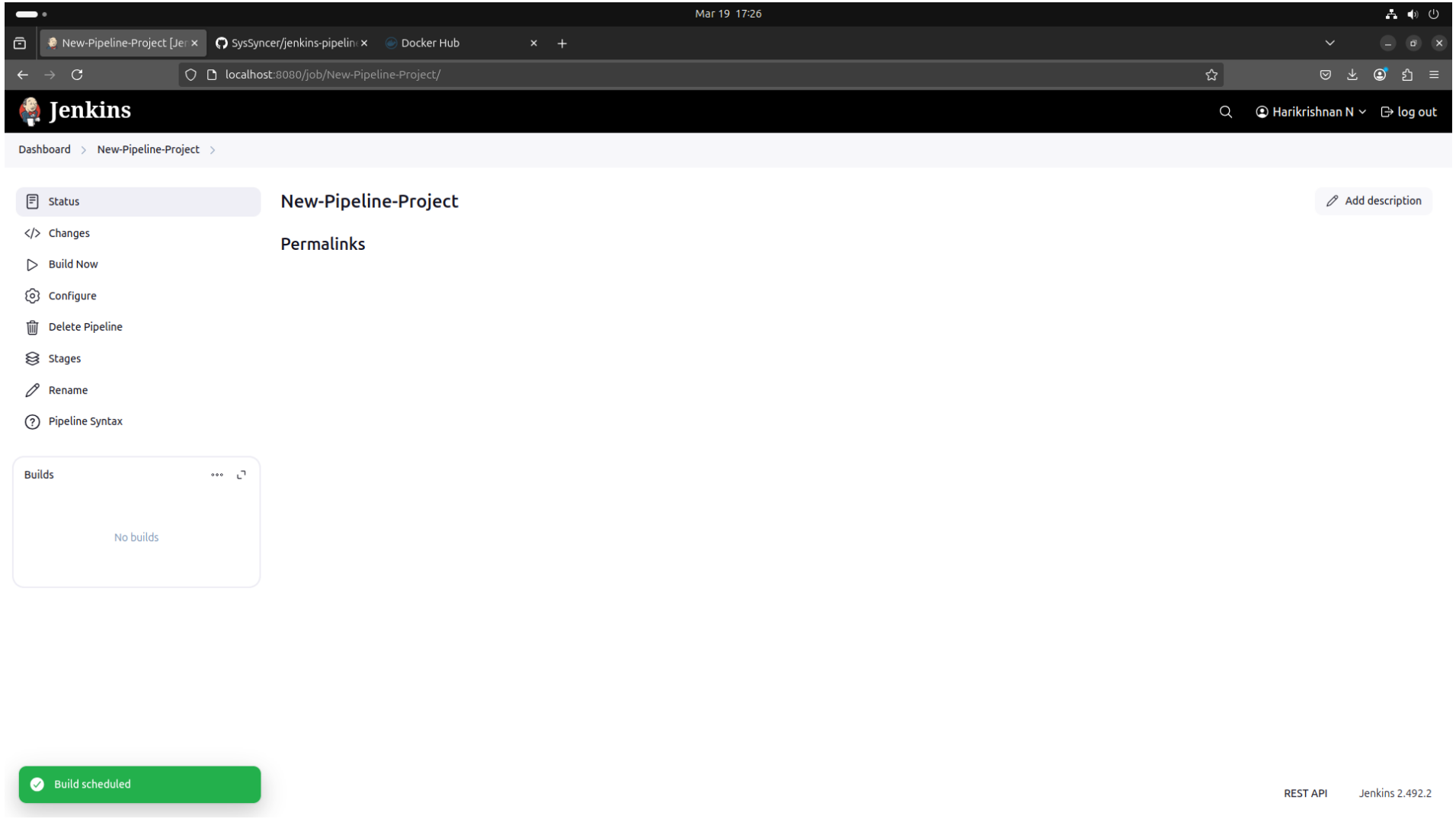
Adding Jenkinsfile configuration 6



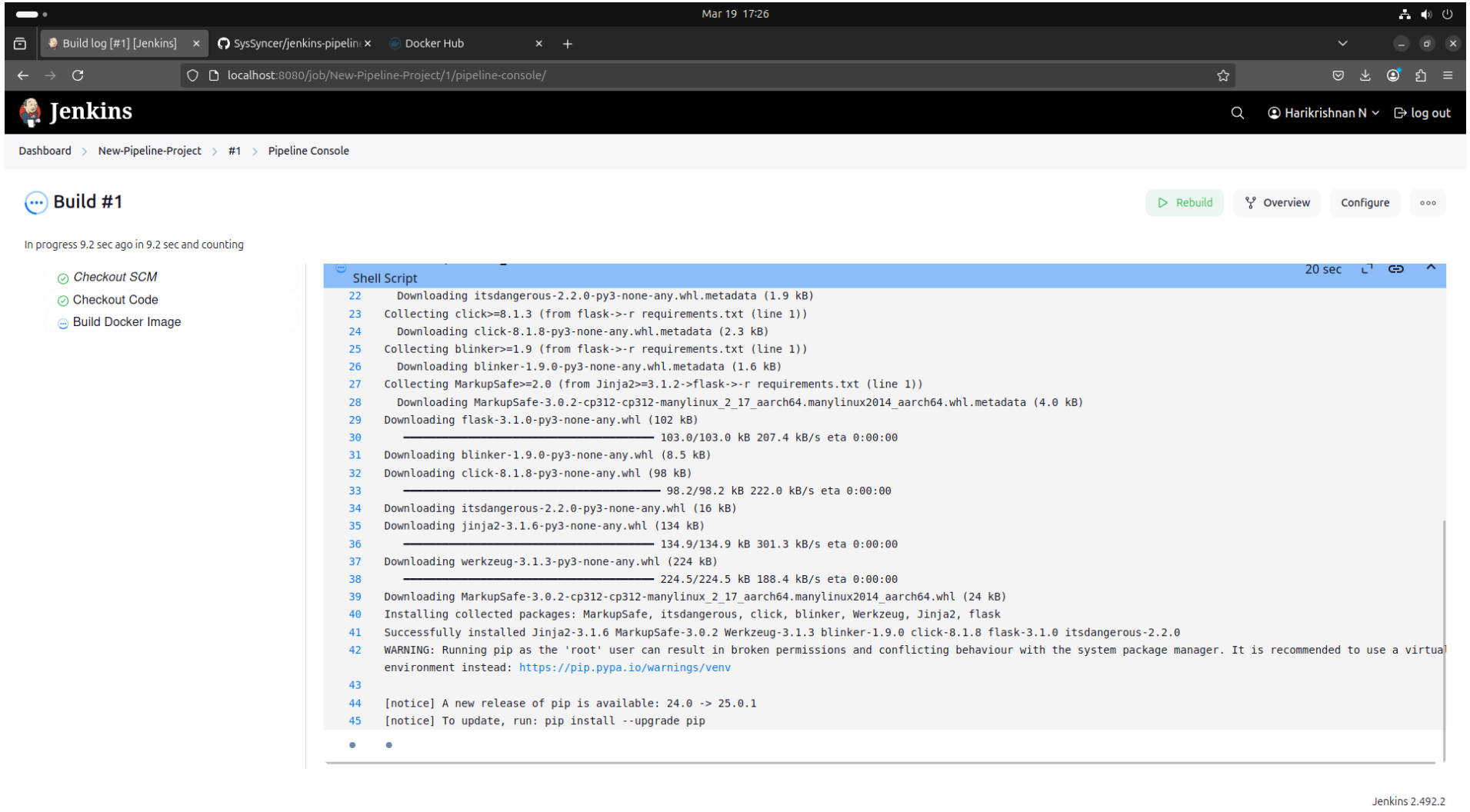
Jenkins Dashboard



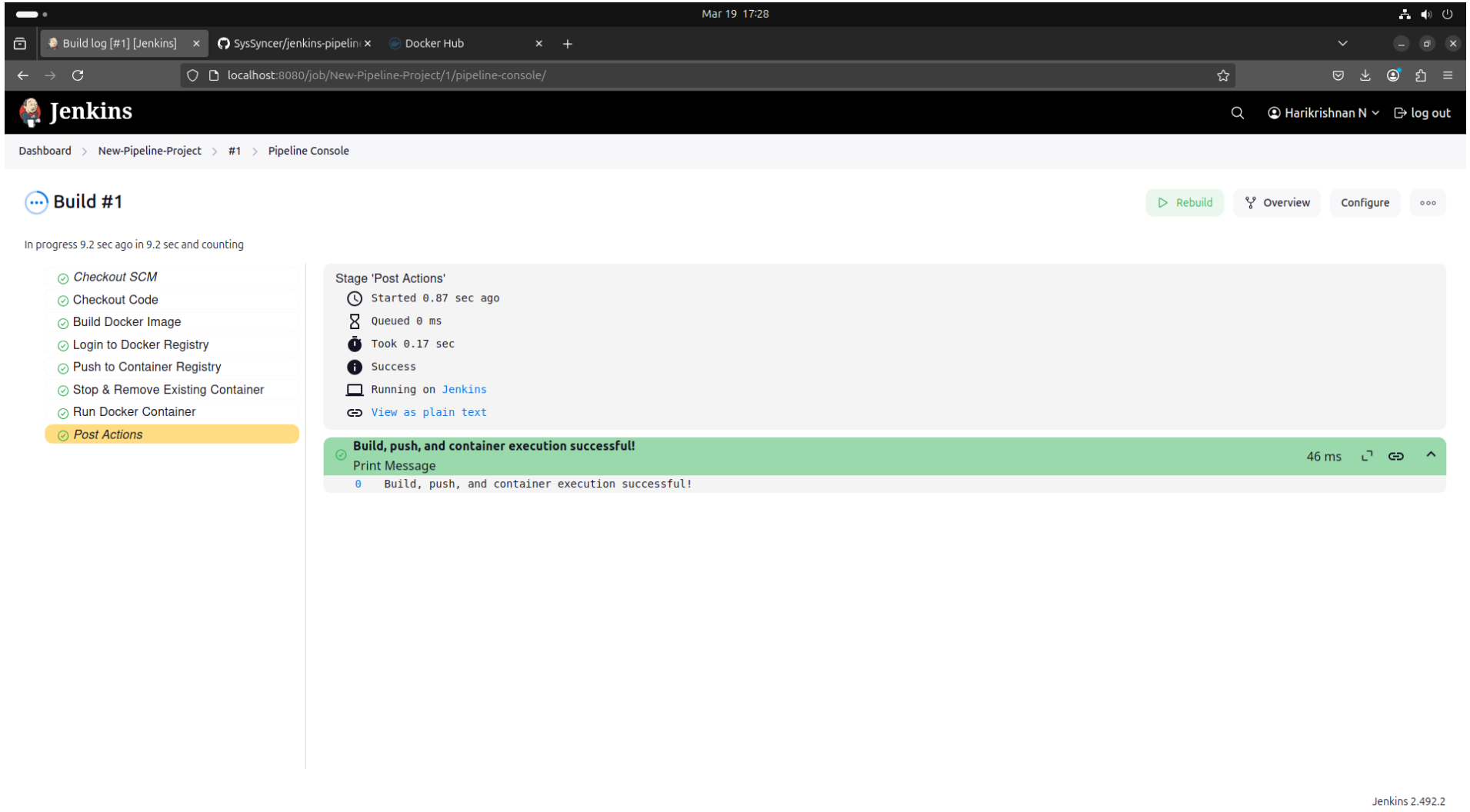
build now - New-Pipeline-project



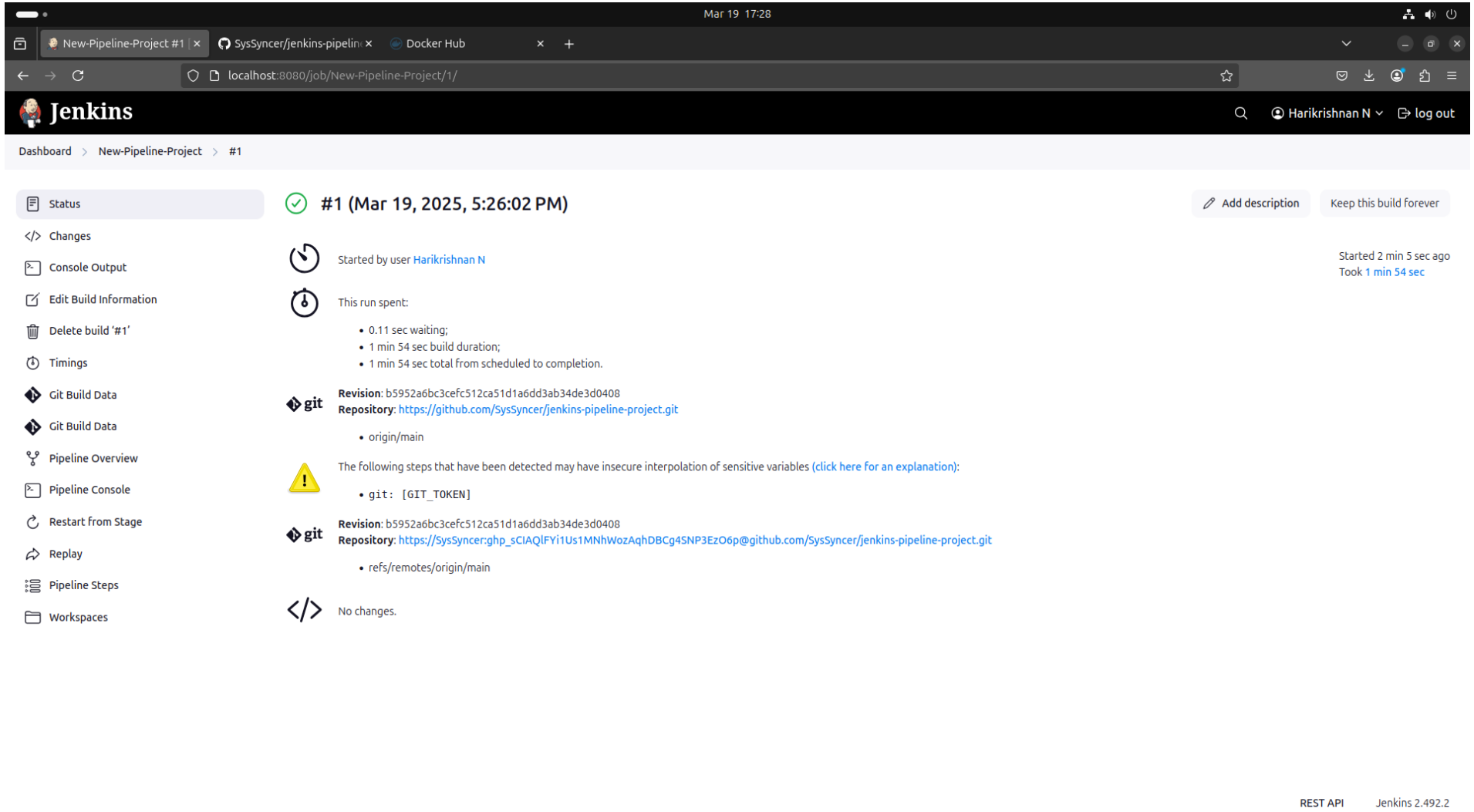
Building New-Pipeline-project script



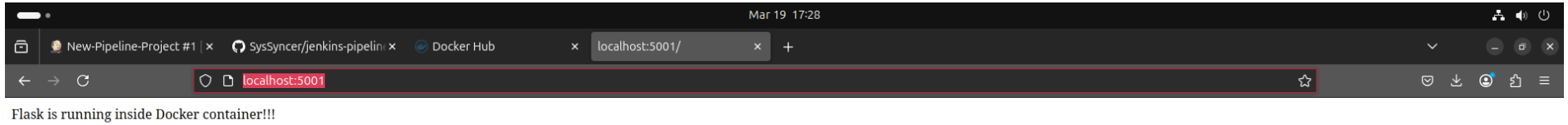
Build Status



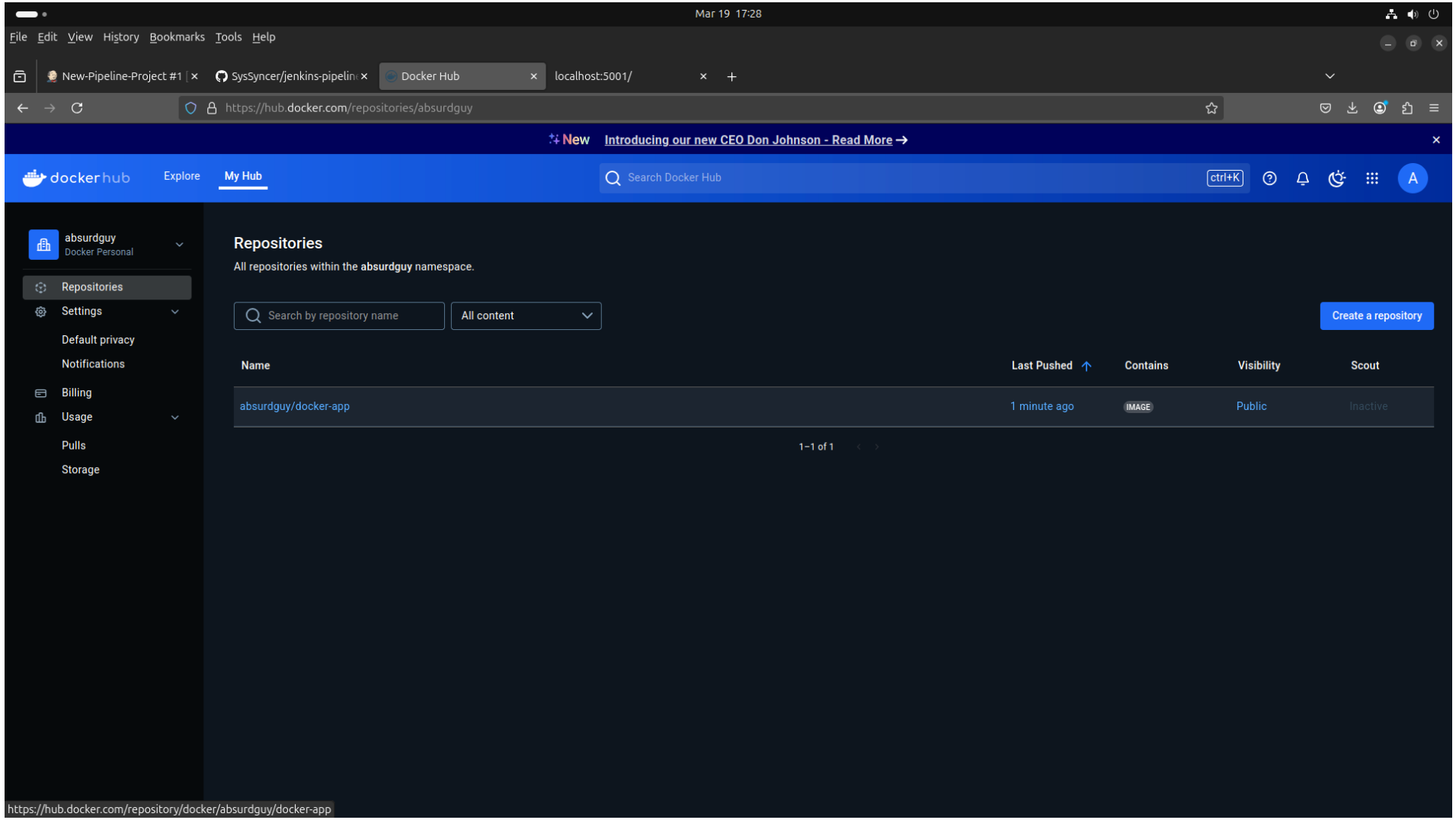
Build Completed



Flask application running on port 5001 now



Flask running container can be seen in the docker hub dashboard



End of day 2 assignment