**Jenkins pipeline through Docker**

**Before proceeding further the below commands I have used in Ubuntu 20.04 LTS operating system not on Windows and MAC**

First you need to install the docker and then you need to install the Jenkins. You just need to follow the below commands in terminal: -

1. I have first checked the jenkins image on docker-hub website and choose the latest version from below link
   1. https://hub.docker.com/r/jenkins/jenkins/tags?page=1&ordering=last\_updated
   2. Above link is having jenkins 2.278 version (when I have downloaded)
2. Open your terminal
3. docker run -p 8080:8080 -p 50000:50000 -d -v jenkins\_home:/var/jenkins\_home jenkins/jenkins:latest
   1. -p 8080:8080 is on which port it will run (By default it will run on that port)
   2. -p 50000:50000 used for Master/Slave communication
   3. -d run in detach mode (Runs in background)
   4. -v jenkins\_home:/var/jenkins\_home Bind named value (means it will create this folder where all data persist under jenkins container in docker)
4. It will install Jenkins on docker.
5. Now Run docker ps where you will get the container id of jenkins
6. now run docker logs <container\_id>
7. In log you will find (Jenkins initial setup is required...... and then there would be a password)
8. Copy the password from step 7
9. Open localhost:8080
10. It will ask for the password for step 9 and click on continue
11. Install suggested plugins
    1. Step 11 will take approx 10 min to complete
12. Create your username, password and all.
13. Jenkins is now ready to use.