TASK- 2 - DOCKER

Step 1:Installation of Docker:

Install the docker.io

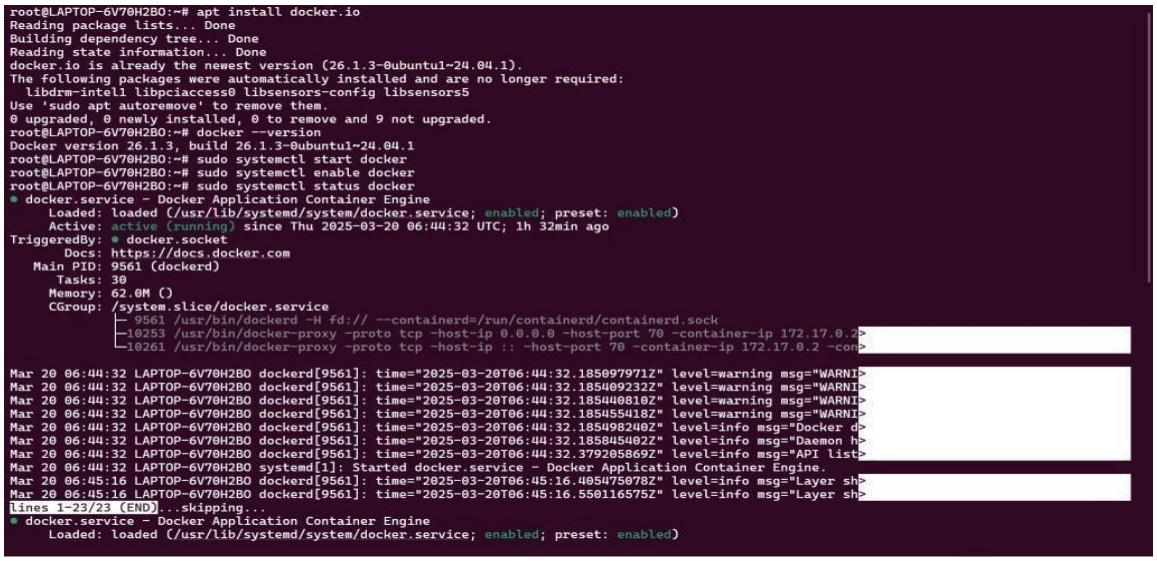
CODE :

sudo apt install docker.io Docker –version

sudo systemctl start docker sudo

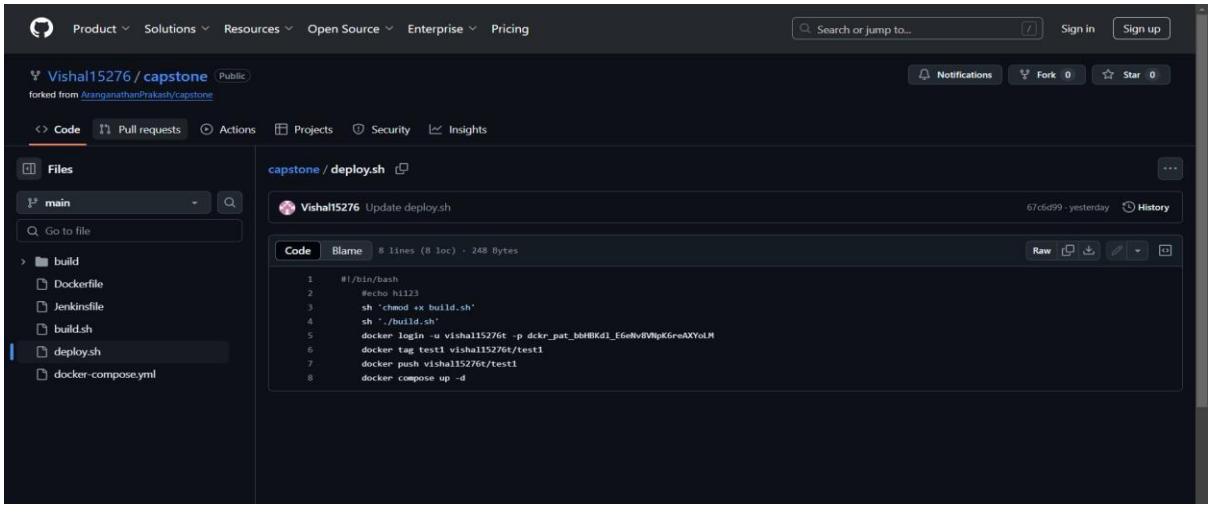
systemctl enable docker sudo systemctl

status docker



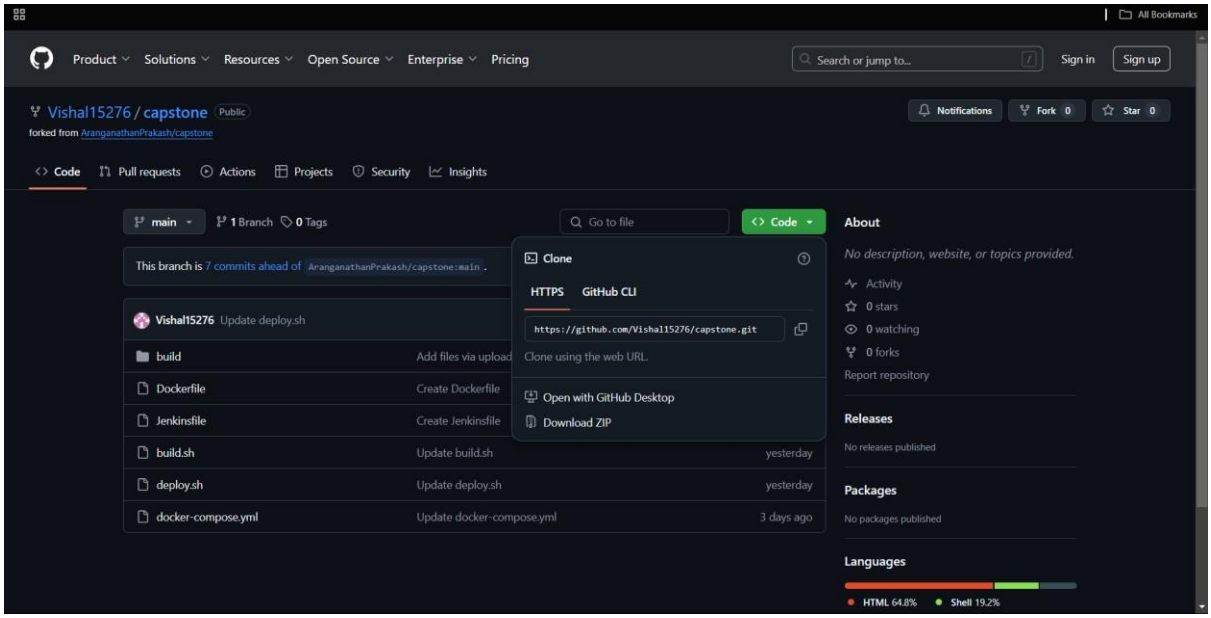
Step 2:Fork

Fork a copy of a GitHub repo which contains the necessary files which will result in the clone of that repo in our own repository . Then change the token and repo name of the docker Hub in the deploy.sh file which is in our repository.



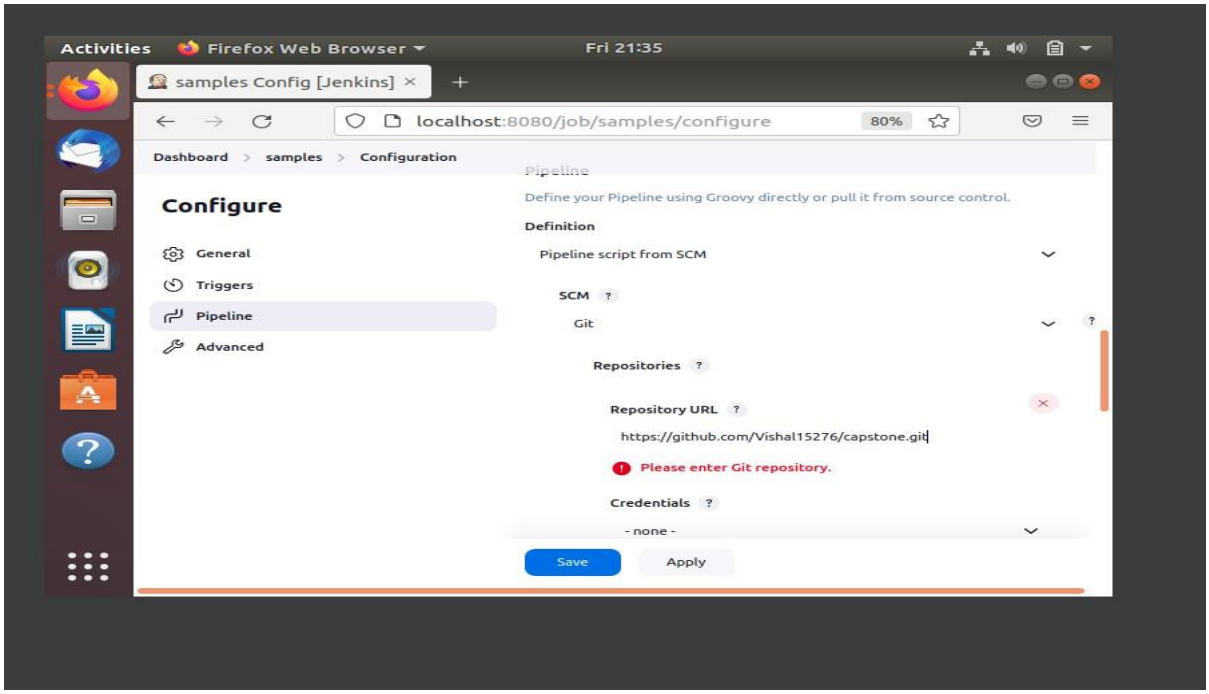
Step 3:GitHub Link

Then copy the GitHub link of the repository and go to Jenkins.



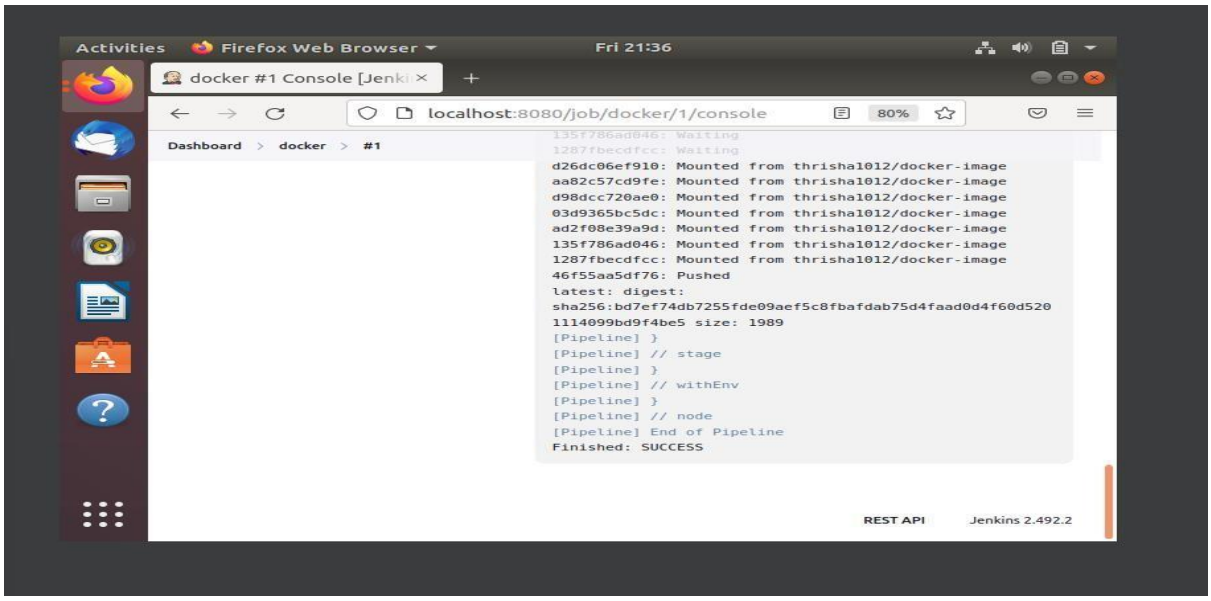
Step 4: New Item

In Jenkins, create a new item (Job) with a type pipeline and add the copied GitHub url to it with the correct branch and Jenkinsfile.



Step 5: Build And Image Creation

After Creating the job, build it and it will give the console output and the docker image will be created.



Step 6:Build Image with Port number

Now Built this docker image in the terminal with desired port number to it.

CODE:

docker images docker build -itd

–p 70:80 test1

```
Password:
Error saving credentials: error storing credentials - err: exit status 1, out: `error storing credentials - err: exit status 1, out: `exit status 1: gpg: suganth0
gpg: [stdin]: encryption failed: No public key
Password encryption aborted.``
suganth@suganth-debian: $ rm ~/.docker/config.json
suganth@suganth-debian: $ docker login -u suganth07

i Info → A Personal Access Token (PAT) can be used instead.
         To create a PAT, visit https://app.docker.com/settings


Password:

WARNING! Your credentials are stored unencrypted in '/home/suganth/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/

Login Succeeded
suganth@suganth-debian: $ docker images
REPOSITORY          TAG       IMAGE ID       CREATED       SIZE
suganth07/devops    latest    d96625e7ec0b   2 hours ago   195MB
test1               latest    d96625e7ec0b   2 hours ago   195MB
hello-world         latest    74cc54e27dc4   8 weeks ago   10.1kB
suganth@suganth-debian: $ docker run -itd -p 70:80 test1
09183a957145c5486005700a48291d3153d2148d50390f0fbc9a31afcf27eb68
suganth@suganth-debian: $ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED              STATUS              PORTS                                   NAMES
09183a957145   test1     "/docker-entrypoint.…"   About a minute ago   Up About a minute   0.0.0.0:70->80/tcp, [::]:70->80/tcp   flamboyant_chatterjee
suganth@suganth-debian: $ color a
bash: color: command not found
suganth@suganth-debian: $ history
 1008  git add .
 1009  git commit -m "vercel hosting updated"
```

Step 7: Output

Go to the Browser and search for localhost:<PORT_NUMBER> and the respective application will be hosted.