DEVOPS TASK-2

1) Installation of Docker:

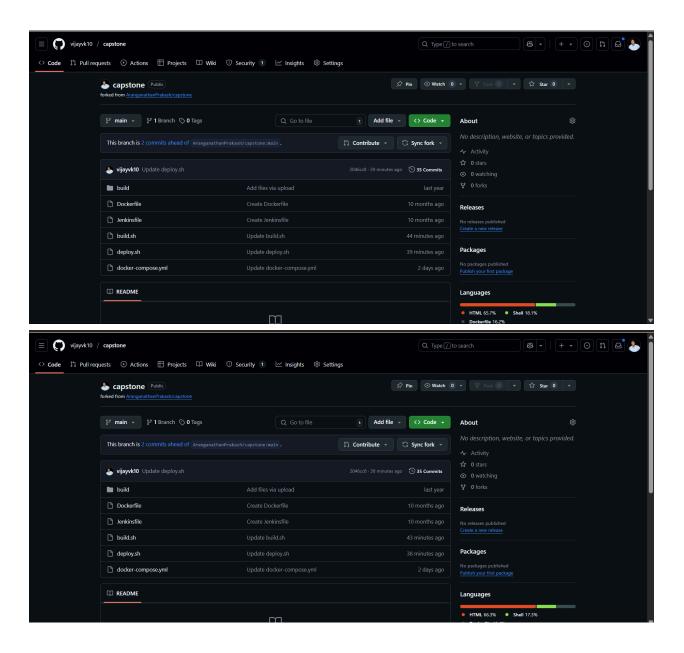
CODE:

sudo apt install docker.io

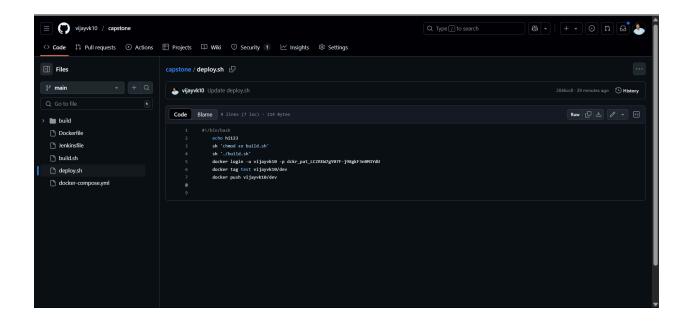
Docker –version
sudo systemctl start docker
sudo systemctl enable docker
sudo systemctl status docker

SCREENSHOT:

2) 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

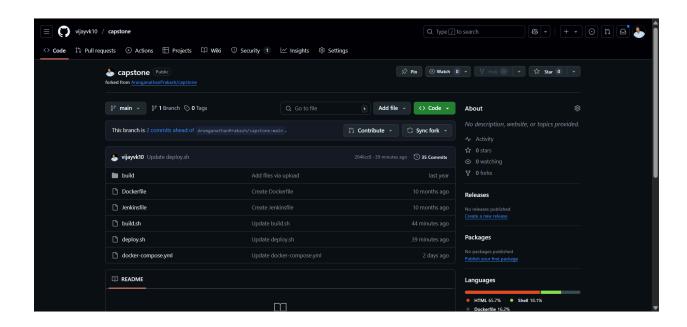


3) Then change the token and repo name of the docker Hub in the deploy.sh file which is in our repository.



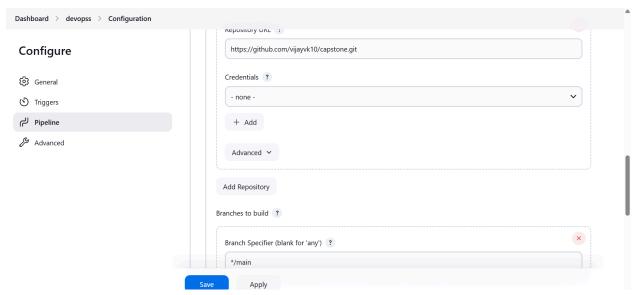
4) Then copy the GitHub link of the repository and go to

Jenkins. **SCREENSHOT:**

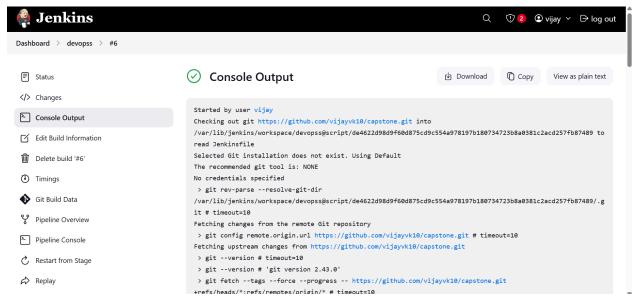


5) In Jenkins, create a new item (Job) with a type pipeline and add the copied GitHub url to it with the correct branch and Jenkinsfile.

SCREENSHOT:



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



7) Now Built this docker image in the terminal with desired port number to

it. CODE:

docker images

docker build -itd -p 70:80 test1

SCREENSHOT:

```
vijay@LAPTOP-KFMKT43R: ~
vijay@LAPTOP-KFMKT43R:~$ sudo docker images
[sudo] password for vijay:
REPOSITORY TAG IMAGE ID CRE
                                                                                                         CREATED
                                                                                                                                               SIZE
                                  TAG IMAGE ID CREATED S
latest a353a37920c9 4 hours ago 19
latest 53a18edff809 6 weeks ago 19
latest 53a18edff809 6 weeks ago 19
KFMKT43R:~$ sudo usermod -ag docker jenkins
                                                                                                                                              192MB
192MB
test
nginx
vijayvk10/dev
                                                                                                                                               192MB
[sudo] password for vijay:
                           ped sudo usermod -ag docker jenkins
OP-KFMKT43R:~$ sudo usermod -aG docker jenkins
[1]+ Stopped
                LAPTOP-KFMKT43R:~$ sudo systemctl restart jenkins
LAPTOP-KFMKT43R:~$ sudo systemctl restart docker
Vajay@LAPTOP-KFMKT43R:-$ sudo systemett restart docker vijay@LAPTOP-KFMKT43R:-$ docker images
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Head "http://%2Fvar%2Frun%2Fdocker.sock/_ping": dial unix //ar/run/docker.sock: connect: permission denied
vijay@LAPTOP-KFMKT43R:-$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
test1 latest 875517f735c0 50 seconds ago 195MB
test latest a335a37920c9 5 hours ago 192MB
vijaywk10/dox latest a353a37920c0 5 hours ago 192MB
                                        latest
latest
                                                                   a353a37920c9
53a18edff809
vijayvk10/dev
                                                                                                                                                       192MB
nginx latest 53a18edff809 6 weeks ago 192MB
vijayvk10/dev <none> 53a18edff809 6 weeks ago 192MB
vijay@LAPTOP-KFMKT43R:~$ wold docker run -itd -p 70:80 test1
cabdab94e072b6e91ae2af07b718667f9fea8ef6ca25fb9f5e2760ddeb1b5eca
```

8) Go to the Browser and search for localhost:<PORT NUMBER> and the

respective application will be hosted.

