DEVOPS TASK-2

1) Installation of Docker:

CODE:

sudo apt install docker.io

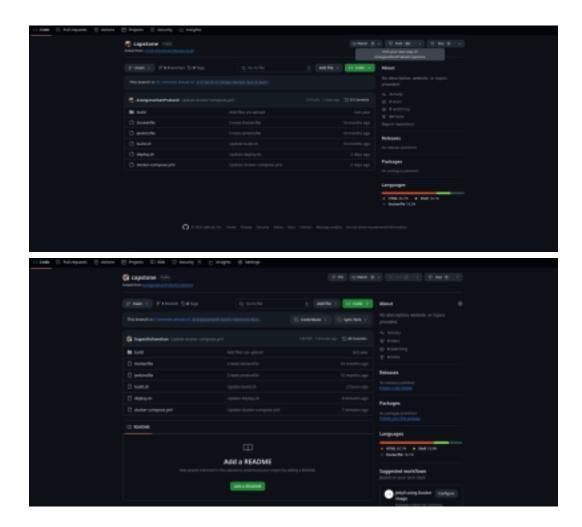
Docker –version
sudo systemctl start docker
sudo systemctl enable docker
sudo systemctl status docker

SCREENSHOT:

```
| Column | C
```

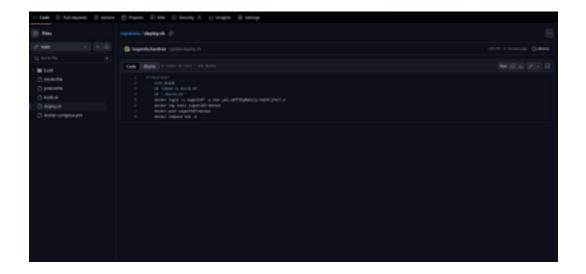
2) Fork a copy of a GitHub repo which contains the necessary files which will result in the clone of that repo in our own repository

SCREENSHOT:



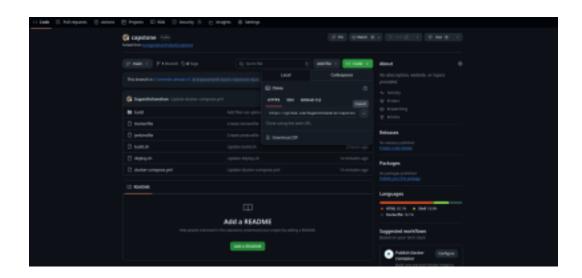
3) Then change the token and repo name of the docker Hub in the deploy.sh file which is in our repository.

SCREENSHOT:



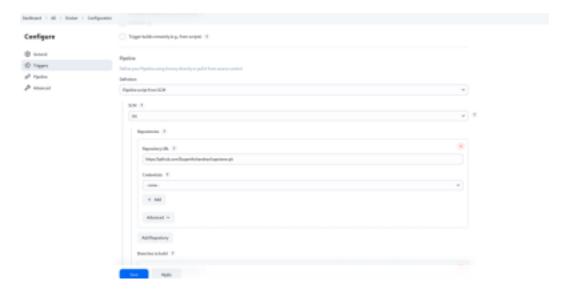
4) Then copy the GitHub link of the repository and go to

Jenkins. **SCREENSHOT:**



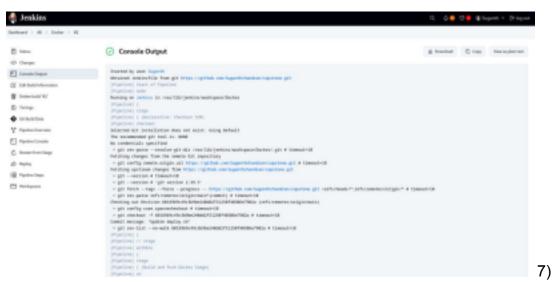
5) In Jenkins, create a new item (Job) with a type pipeline and add the copied GitHub url to it with the correct branch and Jenkinsfile.

SCREENSHOT:



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

SCREENSHOT:



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

docker images

docker run -itd -p 70:80 test1

SCREENSHOT:

```
Passwood:

District making tradestible: eroor storing tradestible - ero: exit status 1, ext: 'ecror storing tradestible - ero: exit status 1, out: 'exit status 1; ggg: suggesting; escryption falled: so public key

Masswood escryption aborted.

District a secryption started.

District a secryption started.

District a secryption started.

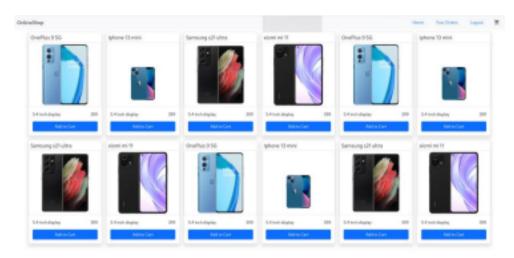
To create a ser, visit storing jone

Masswood:

Masswood
```

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

SCREENSHOT:



9) But, Instead of running the image by manually , we can also write the command for running in a file called docker-compose.yml

CODE:

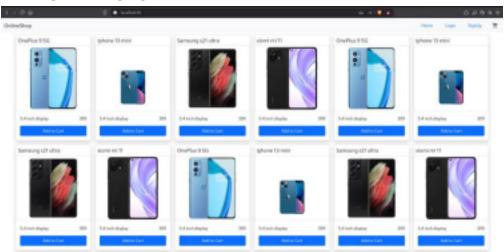
version: '3' services:

react-capstone:

image: "test1"

ports: -"85:80"

SCREENSHOT:



By Creating this, we no need to run the image by manually. (It will automatically run)