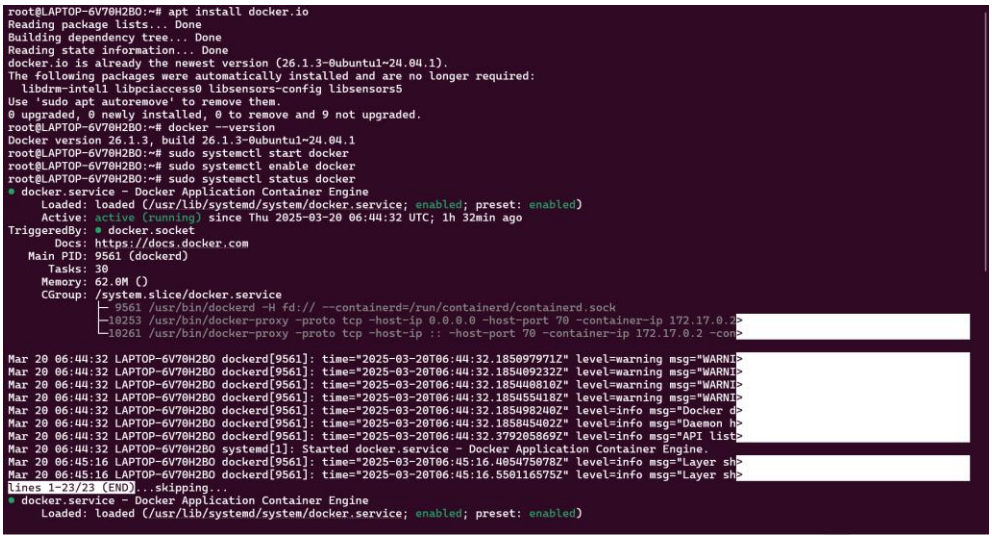
DEVOPS TASK- 2

1) Installation of Docker:

CODE :

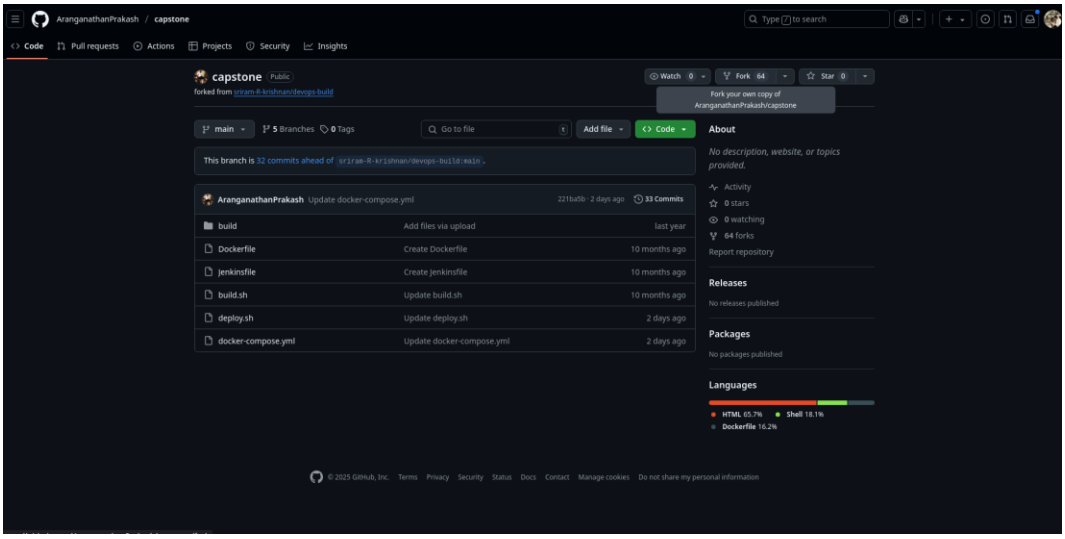
sudo apt install docker.io
Docker –version
sudo systemctl start docker
sudo systemctl enable docker
sudo systemctl status docker

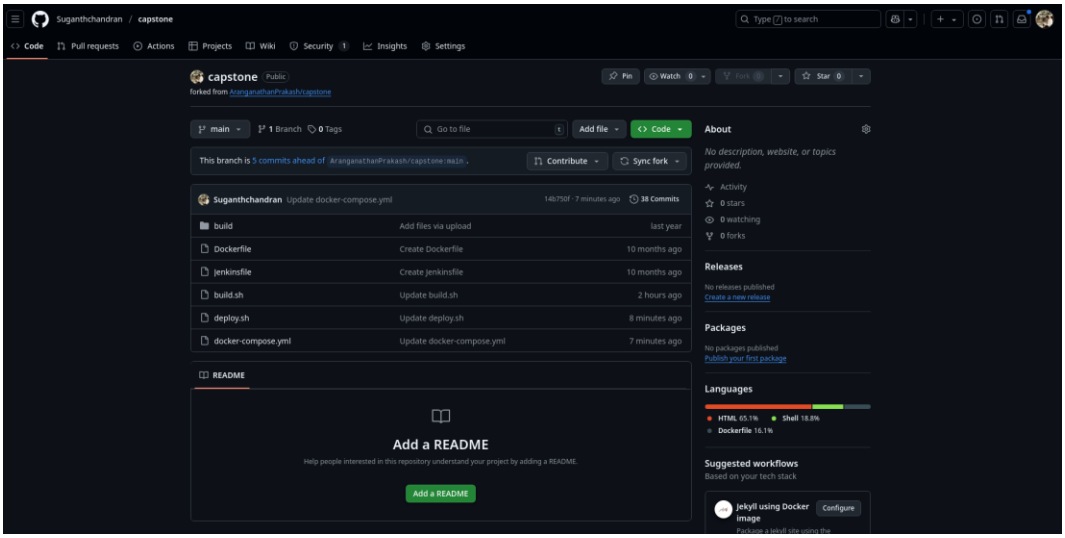
SCREENSHOT:



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

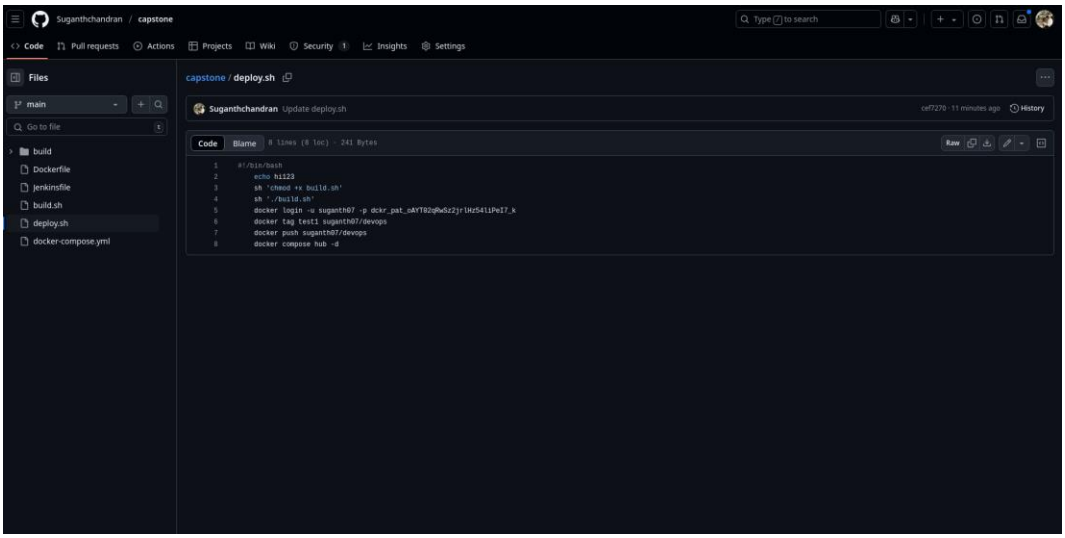
SCREENSHOT :





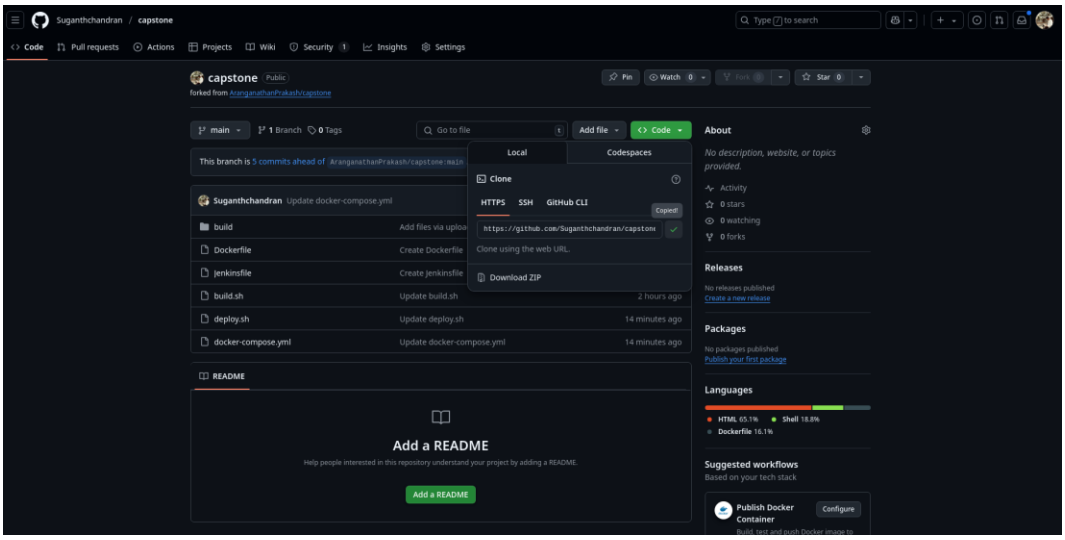
3) Then change the token and repo name of the docker Hub in the deploy.sh file which is in our repository.

SCREENSHOT :



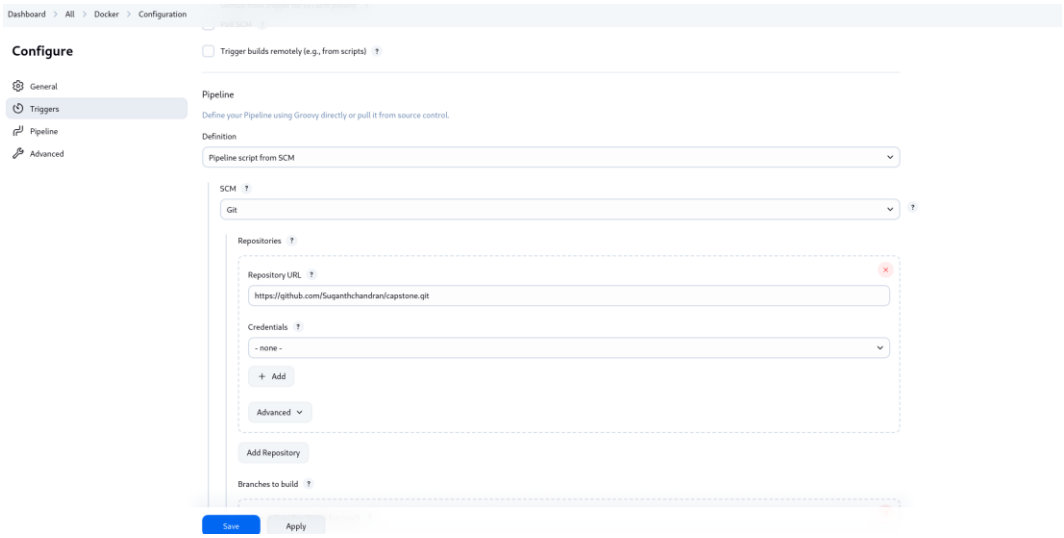
4) Then copy the GitHub link of the repository and go to Jenkins.

SCREENSHOT:



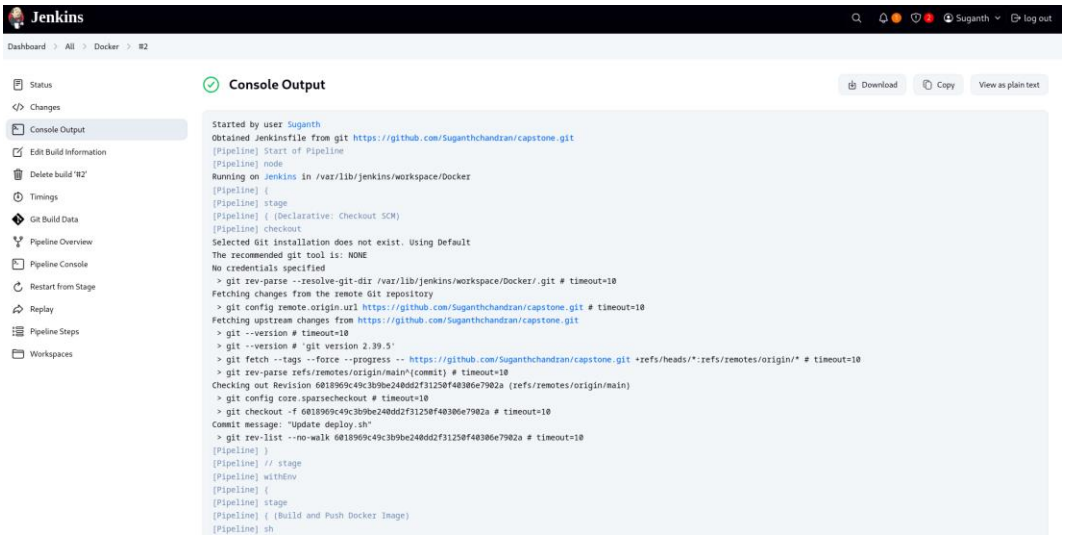
5) In Jenkins, create a new item (Job) with a type pipeline and add the copied GitHub url to it with the correct branch and Jenkinsfile.

SCREENSHOT:



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

SCREENSHOT:



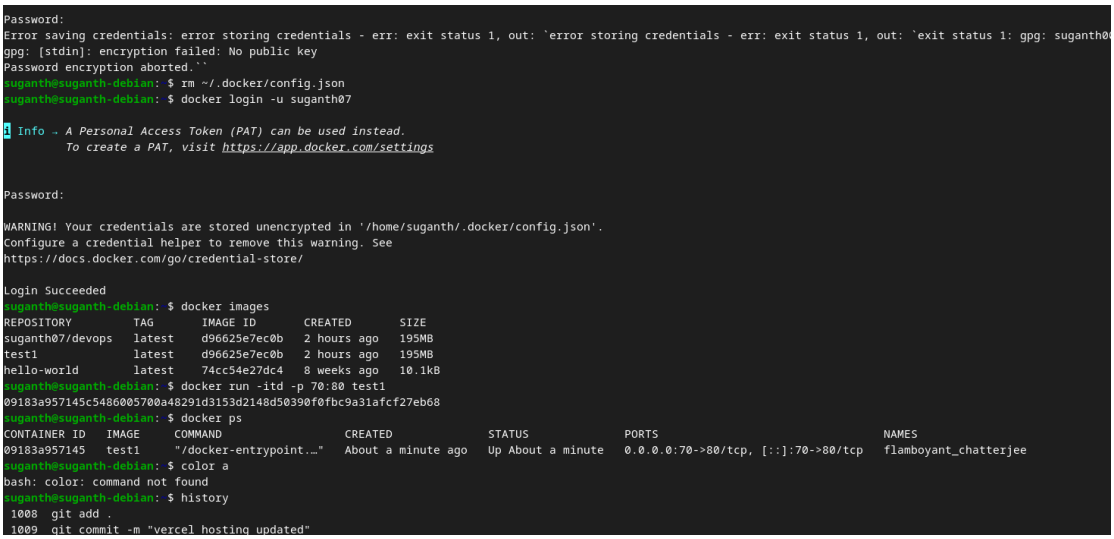
7) Now Built this docker image in the terminal with desired port number to it.

CODE:

docker images

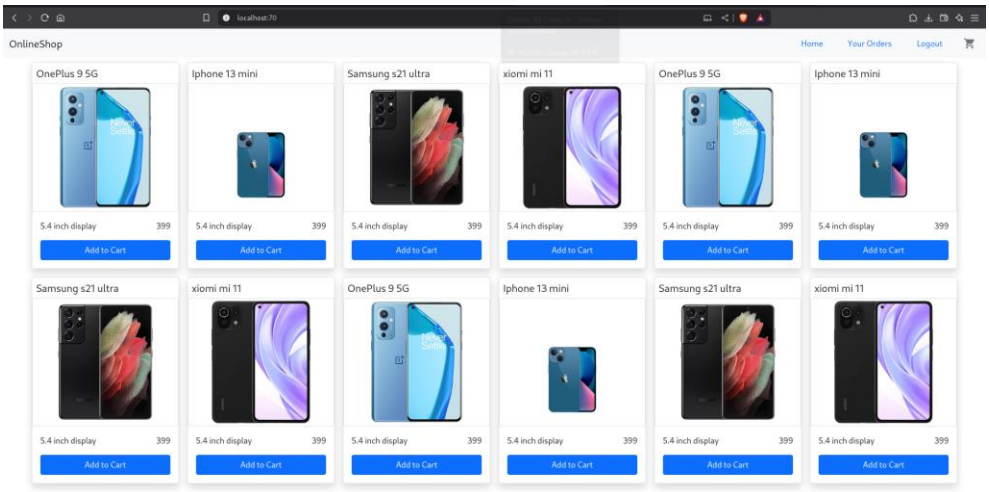
docker run –itd –p 70:80 test1

SCREENSHOT:



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

SCREENSHOT:

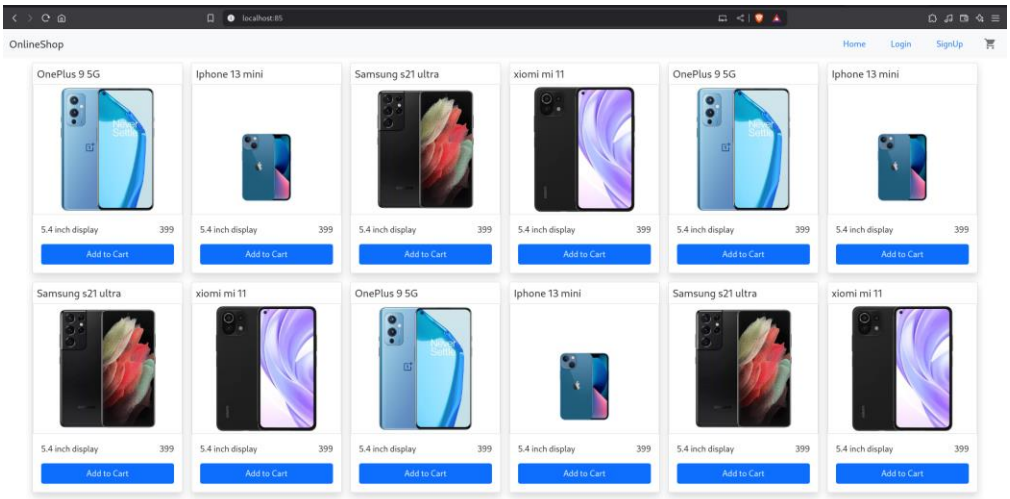


9) But, Instead of running the image by manually , we can also write the command for running in a file called docker-compose.yml

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)