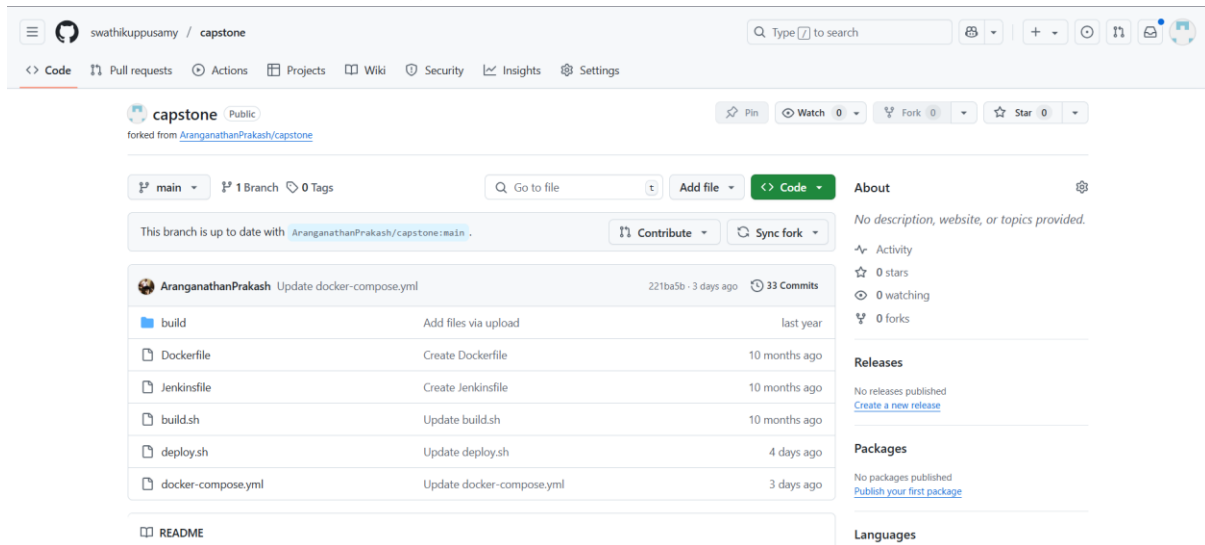# TASK 2

Name: SWATHI K

Rollno: 22CSR216
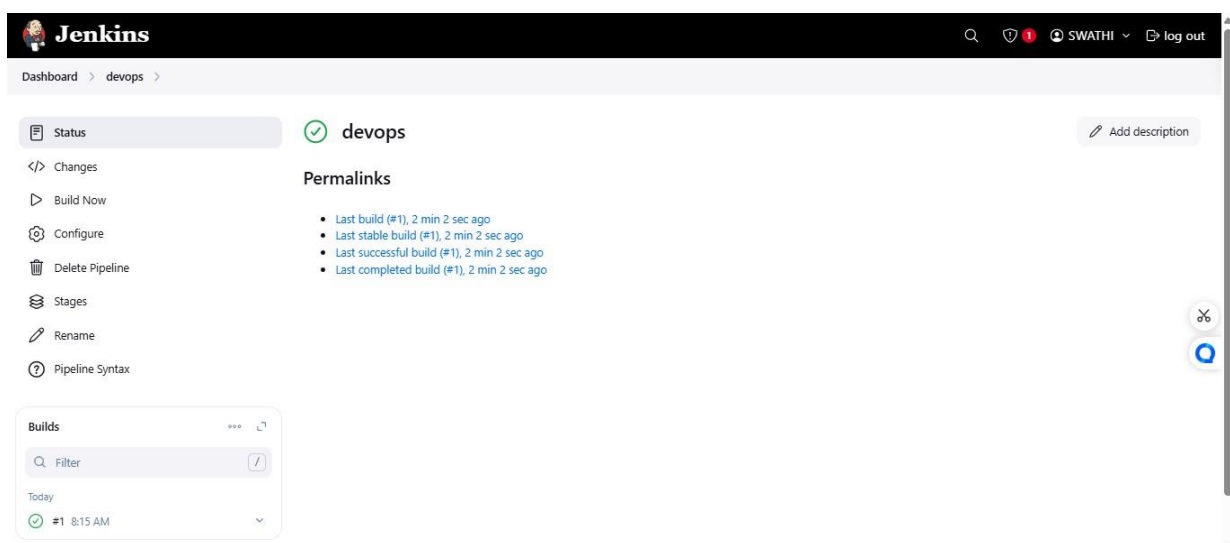
Step 1: Install docker by using the command such as

sudo apt-get update

```
root@Swetha:~/dock# sudo apt-get update
Ign:1 https://pkg.jenkins.io/debian binary/ InRelease
Hit:2 https://pkg.jenkins.io/debian binary/ Release
Get:3 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Hit:5 http://archive.ubuntu.com/ubuntu noble InRelease
Get:6 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [671 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [130 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8968 B]
Get:10 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [6936 B]
Get:11 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [820 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.0 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [16.9 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [208 B]
Get:17 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Ign:18 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages
Ign:19 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en
Ign:20 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components
Get:21 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]
Get:22 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1040 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [364 kB]
Get:24 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [25.8 kB]
Get:25 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:26 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:18 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [922 kB]
Get:27 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:28 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [20.0 kB]
Get:29 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:30 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:19 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [209 kB]
Get:20 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]
Fetched 5009 kB in 8s (652 kB/s)
Reading package lists... Done
root@Swetha:~/dock# sudo apt-get update
Hit:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Ign:2 https://pkg.jenkins.io/debian binary/ InRelease
Hit:3 https://pkg.jenkins.io/debian binary/ Release
Hit:5 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:6 http://archive.ubuntu.com/ubuntu noble-updates InRelease
```

Step 2: Push the code into github

Step 3: Create a new item in Jenkins by giving an item name ad select an item type as pipeline

Step 4: Give the repository url and branch name and script path from github

Step 5: Give build now in dashboard , it will build the project

Step 6: Check the console output to verify whether it is builded correctly

Step 7: Run the command to see the output in localhost

```
root@DESKTOP-65I62SV:/home/swathi_ubu# docker run -itd -p 80:80 test1
36f0ea95cd1d80d2a8ab44e6839812e0dee11eefba5621b0dfafb675fb655ef1
root@DESKTOP-65I62SV:/home/swathi_ubu# docker ps
CONTAINER ID   IMAGE                    COMMAND                 CREATED           STATUS           PORTS
                                                                                                                    N
AMES
36f0ea95cd1d   test1                    "/docker-entrypoint.…"  34 seconds ago    Up 32 seconds    0.0.0.0:80->80/t
cp                                                                                                                  a
wesome_austin
80d72b1899e1   kicbase/stable:v0.0.46   "/usr/local/bin/entr…"  About an hour ago Up About an hour 127.0.0.1:59487-
->22/tcp, 127.0.0.1:59488->2376/tcp, 127.0.0.1:59490->5000/tcp, 127.0.0.1:59491->8443/tcp, 127.0.0.1:59489->32443/tcp   m
inikube
64b1d70adeb2   test                     "/docker-entrypoint.…"  3 hours ago       Up 3 hours       0.0.0.0:70->80/t
cp                                                                                                                  s
tupefied_panini
22485399cf80   test                     "/docker-entrypoint.…"  3 hours ago       Up 3 hours       0.0.0.0:85->80/t
cp                                                                                                                  f
orking-react-capstone-1
root@DESKTOP-65I62SV:/home/swathi_ubu# docker push swathie1701/devops:latest
The push refers to repository [docker.io/swathie1701/devops]
97f5c0f51d43: Layer already exists
417c4bccf534: Layer already exists
f31129b81817: Layer already exists
373fe654e984: Layer already exists
e7e0ca015e55: Layer already exists
6e909acdb790: Layer already exists
5eaa34f5b9c2: Layer already exists
c22eb46e871a: Layer already exists
latest: digest: sha256:f5a770b3ae21c6bd1894afaaaafa44f7e742742d22407506ace5a2ad6af469de size: 2046
root@DESKTOP-65I62SV:/home/swathi_ubu#
```

Output: