ASSIGNMENT 4

NAME: FARHANA SABREEN M

REGISTER NUMBER: 311519104016

PROJECT TOPIC: CUSTOMER CARE REGISTRY

COLLEGE NAME: MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

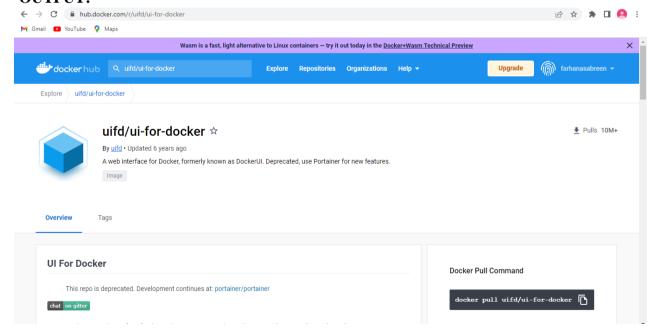
TEAM NUMBER: PNT2022TMID27825

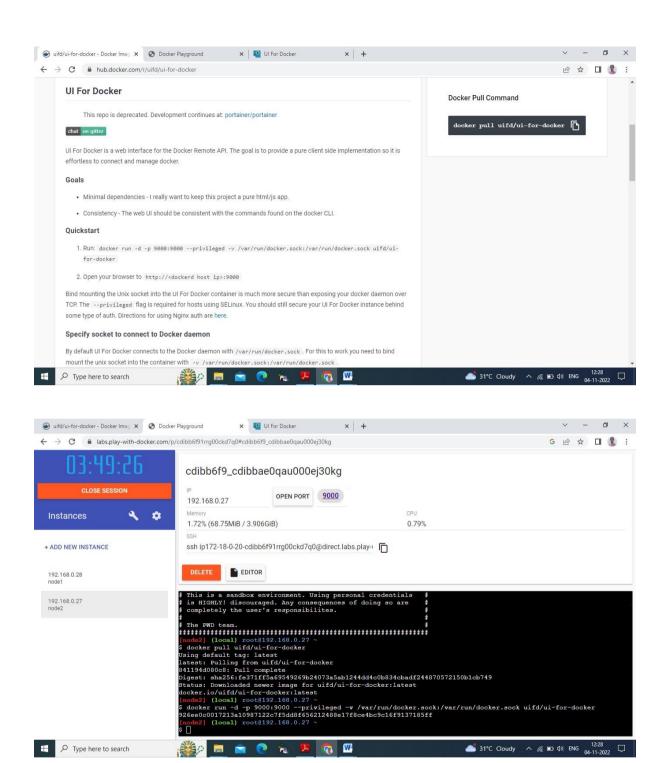
1)PULL AN IMAGE FROM DOCKER HUB AND RUN IT IN DOCKER BACKGROUND COMMANDS:

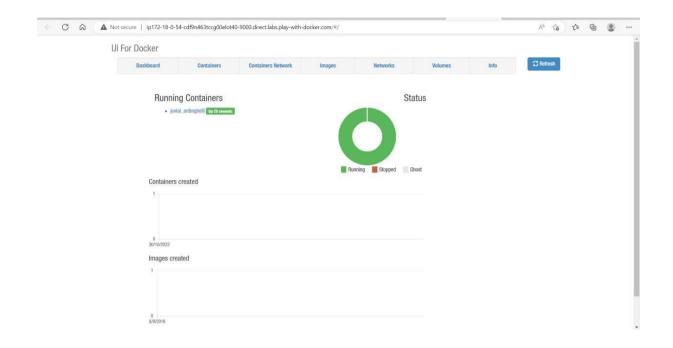
docker pull uifd/ui-for-docker

docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker

OUTPUT:







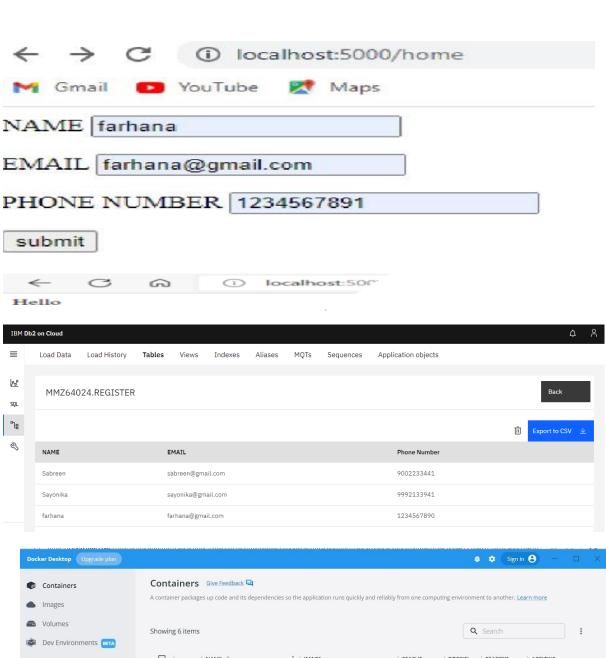
2) CREATE A DOCKER FILE FOR THE JOB PORTAL APPLICATION AND DEPLOY IT IN DOCKER DESKTOP APPLICATION.

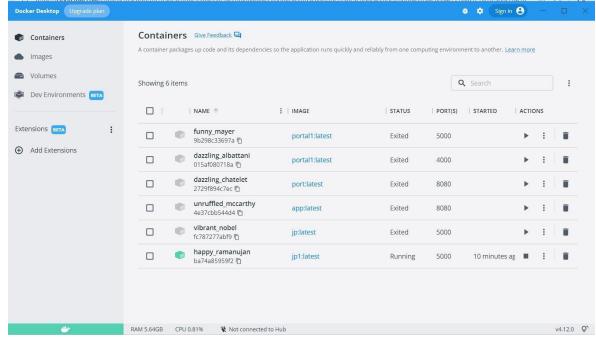
COMMANDS:

docker build -t jp1.

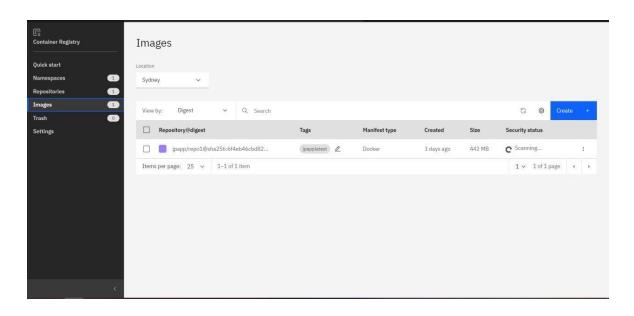
docker run -p 5000:5000 jp1

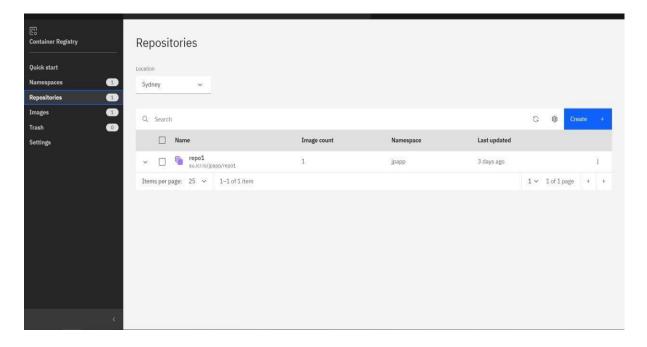
OUTPUT:



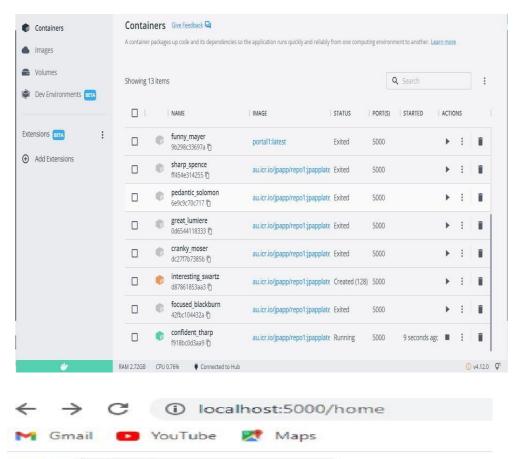


3) CREATE AN IBM CONTAINER REGISTRY AND DEPLOY HELLOWORLD APP OR JOBPORTAL APP









NAME farhana

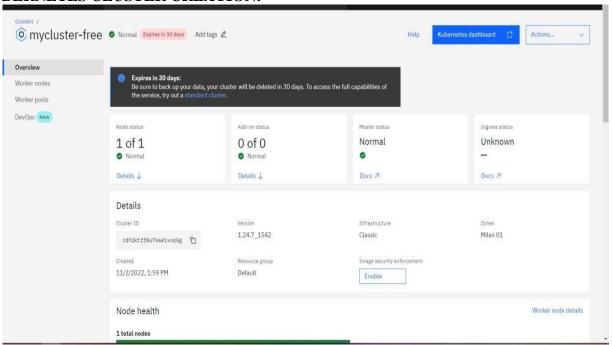
EMAIL farhana@gmail.com

PHONE NUMBER 1234567891

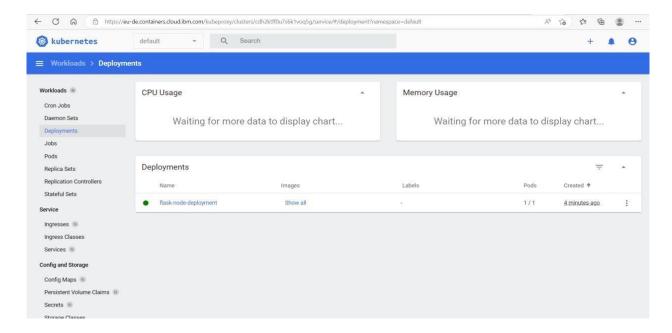
submit

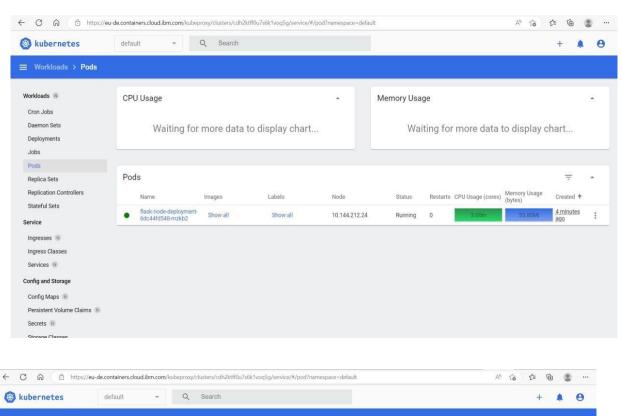
4) CREATE A KUBERNETES CLUSTER IN IBM CLOUD AND DEPLOY HELLO WORLD IMAGE OR JOB PORTAL IMAGE AND ALSO EXPOSE THE SAME APP TO RUN IN A NODEPORT.

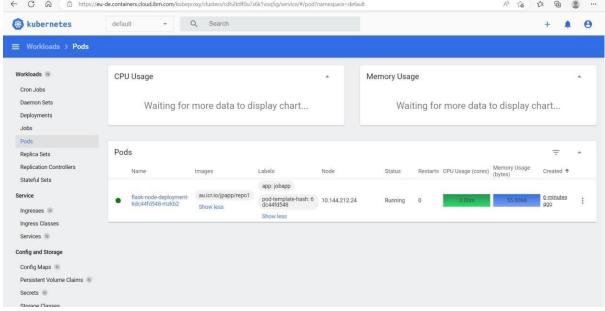
KUBERNETES CLUSTER CREATION:

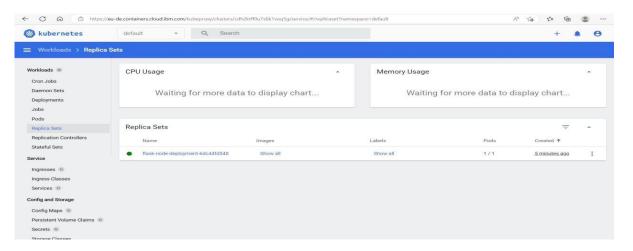


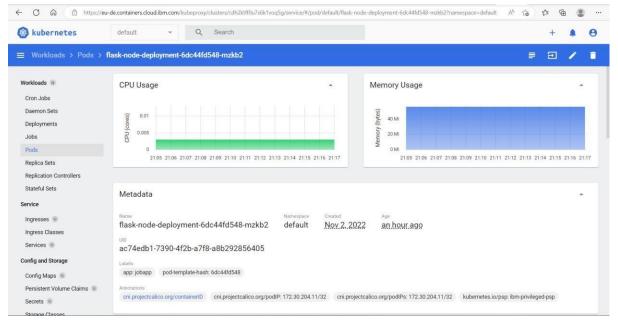
DEPLOYMENT OF JOB PORTAL APP IN CLUSTER

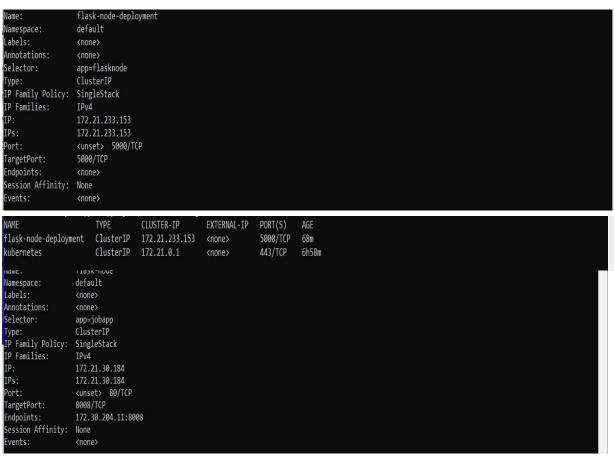












EXPOSE APP TO NODEPORT:

```
Namespace:
                         default
Labels:
                         <none>
Annotations:
                         <none>
Selector:
                         app=jobapp
Type:
                         NodePort
IP Family Policy:
                         SingleStack
IP Families:
                         IPv4
IP:
                         172.21.15.156
IPs:
                         172.21.15.156
                         <unset> 80/TCP
Port:
TargetPort:
                         8008/TCP
 lodePort:
                         <unset> 32153/TCP
Endpoints:
                         172.30.204.11:8008
Session Affinity:
                         None
External Traffic Policy: Cluster
Events:
```

