ASSIGNMENT 4

NAME: K.R.MALAVIKA

REGISTER NUMBER: 311519104033

PROJECT TOPIC: CUSTOMER CARE REGISTRY

COLLEGE NAME: MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

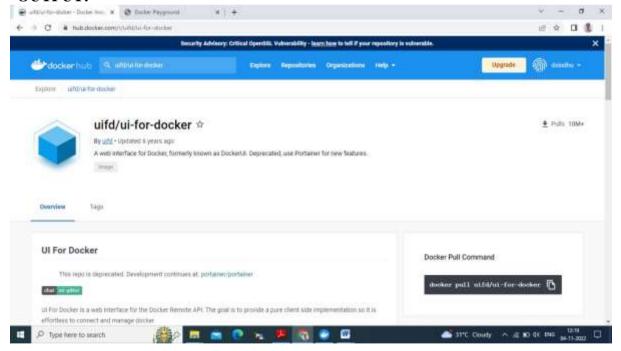
TEAM NUMBER: PNT2022TMID27825

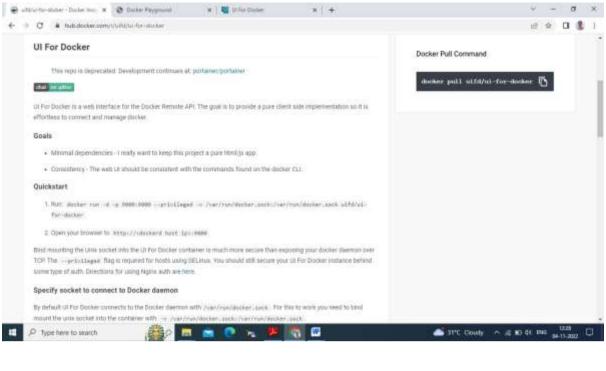
1)PULL AN IMAGE FROM DOCKER HUB AND RUN IT IN DOCKER BACKGROUND COMMANDS:

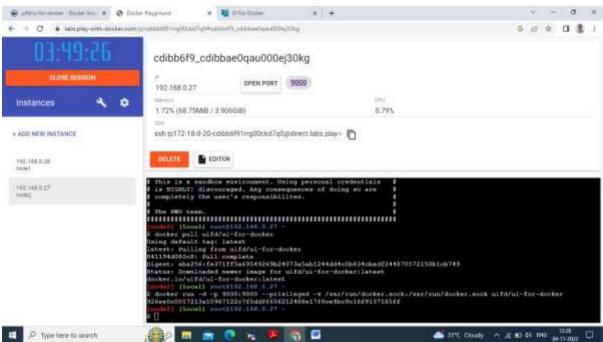
docker pull uifd/ui-for-docker

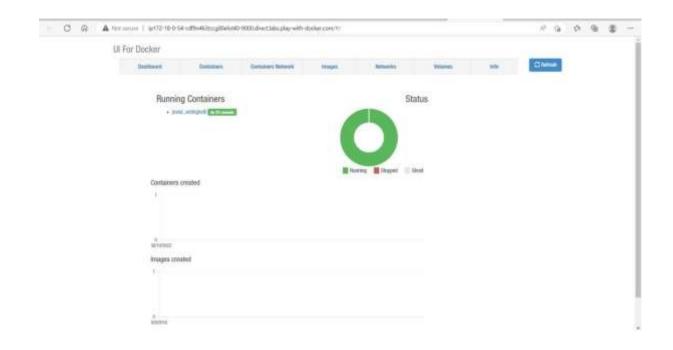
docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker

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:

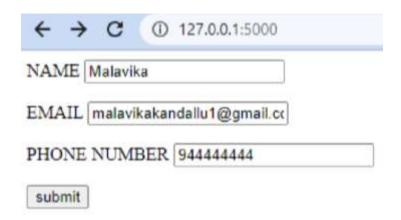
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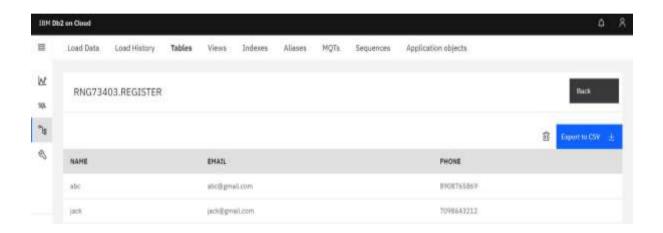
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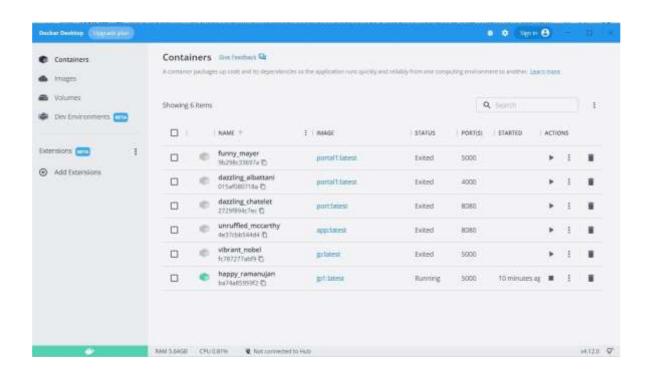
* Name
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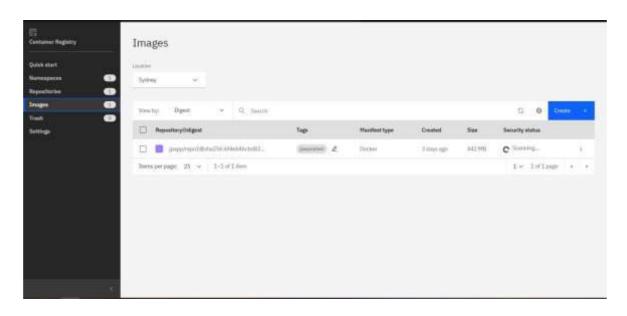


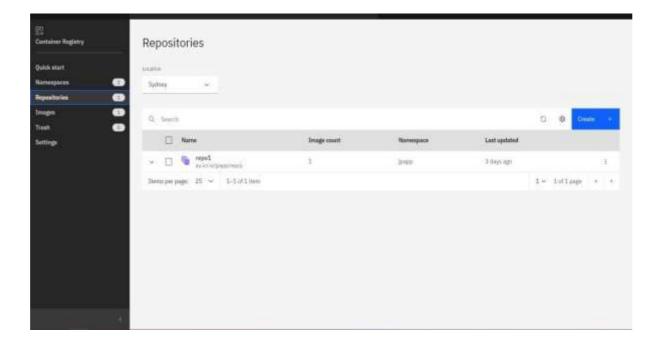


Hello

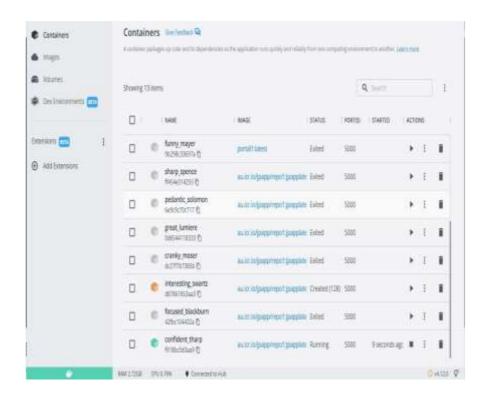


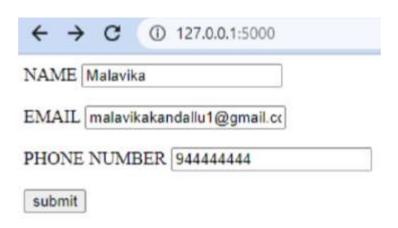
3) CREATE AN IBM CONTAINER REGISTRY AND DEPLOY HELLOWORLD APP OR JOBPORTAL APP





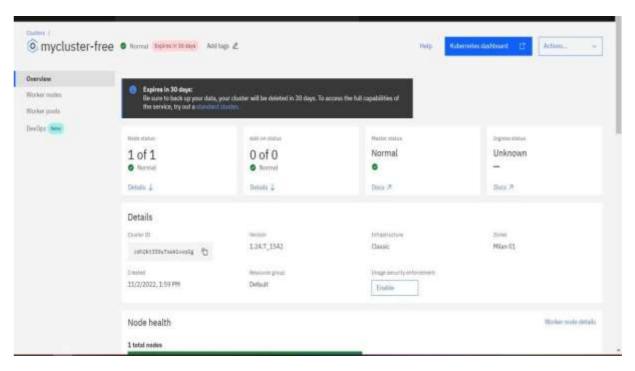




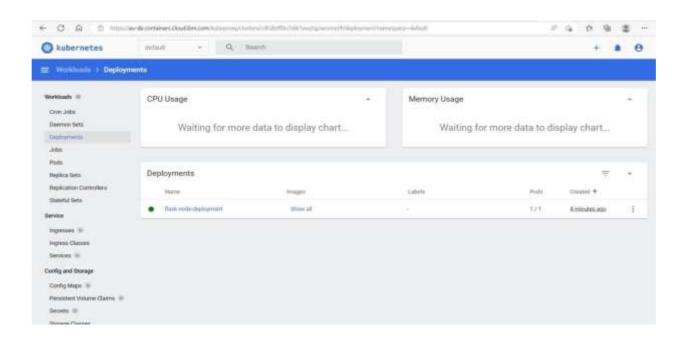


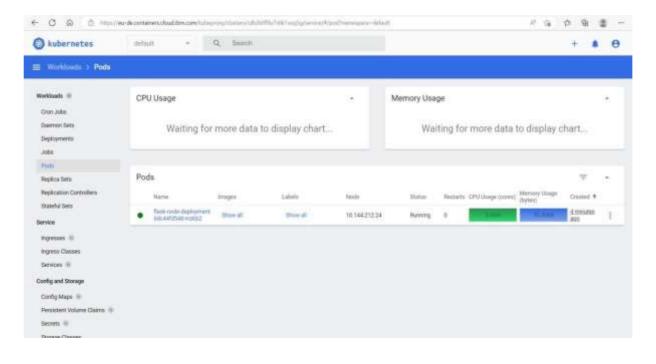
4) CREATE A KUBERNETES CLUSTER IN IBM CLOUD AND DEPLOY HELLO WORLD IMAGE OR JOB PORTAL IMAGE AND ALSO EXPOSE THE SAME APP TO RUN IN A NODEPORT.

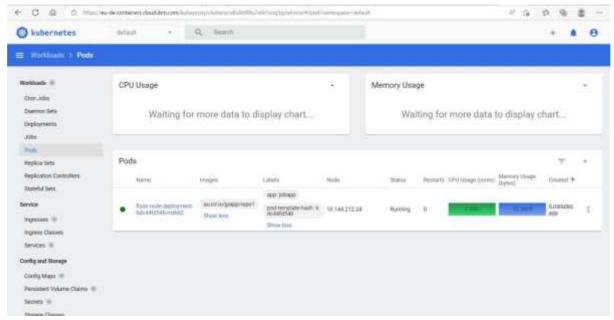
KUBERNETES CLUSTER CREATION:

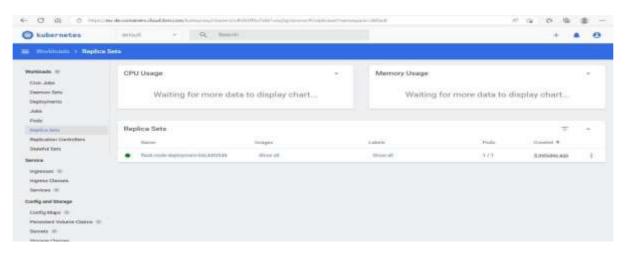


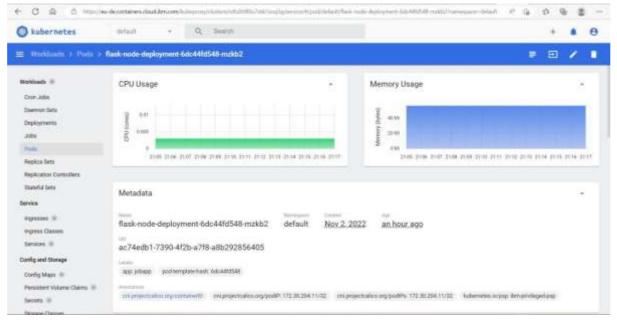
DEPLOYMENT OF JOB PORTAL APP IN CLUSTER

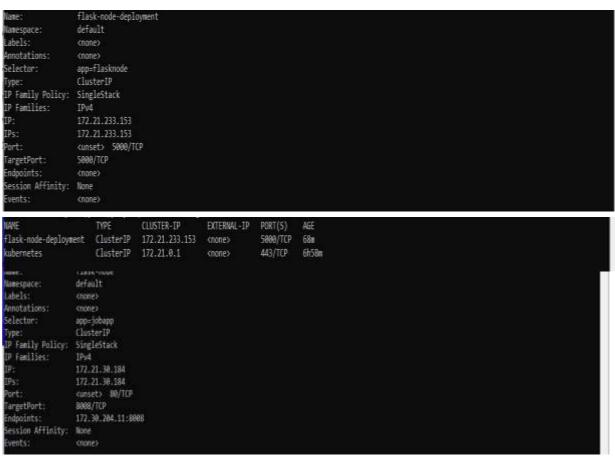












EXPOSE APP TO NODEPORT:

```
lamespace:
                        default
abels:
                         <none>
 nnotations:
                         (none)
Selector:
                        app=jobapp
NodePort
Type:
IP Family Policy:
                        SingleStack
IP Families:
                         IPv4
                         172.21.15.156
Ps:
                        172.21.15.156
                        (unset) 80/TCP
TargetPort:
                        8008/TCP
                        (unset) 32153/TCP
iodePort:
                         172.30.284.11:8968
Session Affinity:
                        None
External Traffic Policy: Cluster
wents:
                        <none>
```

