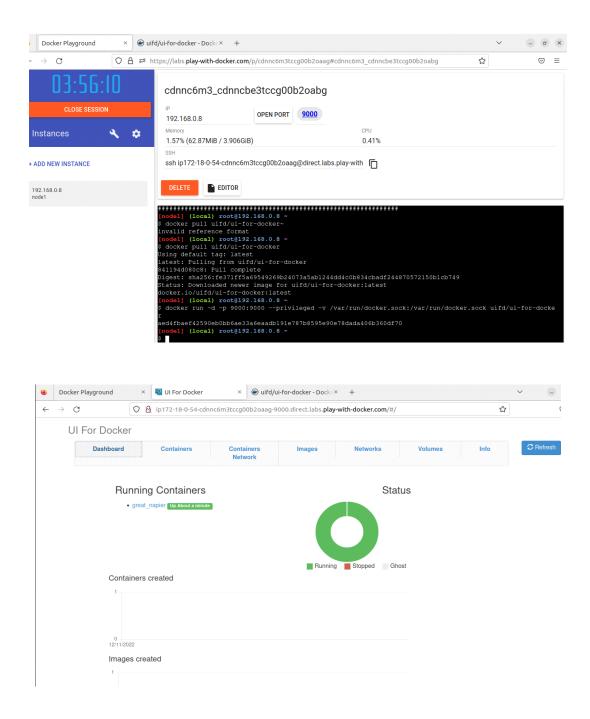
ASSIGNMENT – 4

DOCKER AND KUBERNETES

1.Pull an Image from docker hub and run it in docker playground.



2.Create a docker file for the job portal application and deploy it in Docker desktop application.

Dockerfile:

FROM python:3.6

WORKDIR /app

ADD . /app

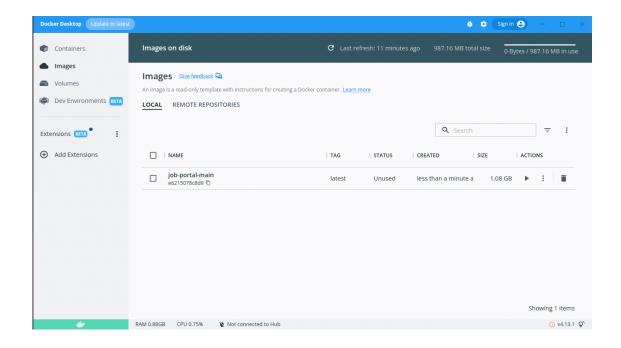
COPY requirements.txt /app

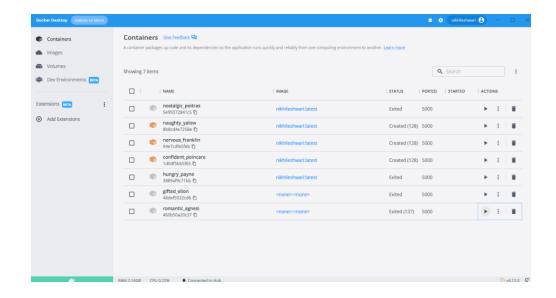
RUN python3 -m pip install -r requirements.txt

RUN python3 -m pip install ibm_db

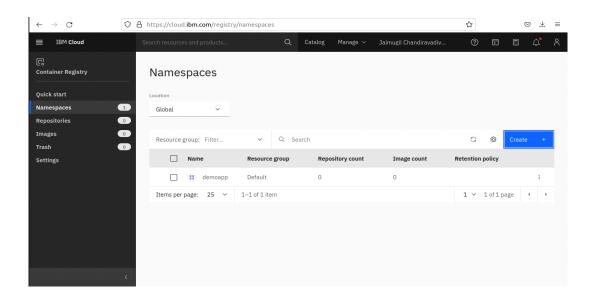
EXPOSE 5000

CMD ["python", "app.py"]





3. Create a IBM container registry and deploy helloworld app or jobportalapp.



Command Prompt	_	0 >
Adding namespace 'inv_contreg' in resource group 'Default' for account Nikhileshwari S's Account in registry icr.io		
The requested namespace is already owned by your account.		
×		
C:\Users\Users\Users\upers\users\upe		
Adding namespace 'inv_final' in resource group 'Default' for account Nikhileshwari S's Account in registry icr.io		
Successfully added namespace 'inv_final'		
×		
C:\User\\Bhvvaneswariodocker login Authenticating with existing credentials login Succeeded		
Logging in with your password grants your terminal complete access to your account. For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/		
C:\Users\Universersibuccloud or login logging 'docker' in to 'ier.io' logged int to 'ier.io'		
×		
E:\Users\Bhuvaneswaris_		
3 3 3 4 3 4 3 5 5 5 5 5 5 5 5 5 5 5 5 5		
Using default tag: latest latest: Pulling from nikhileshwari/cad		

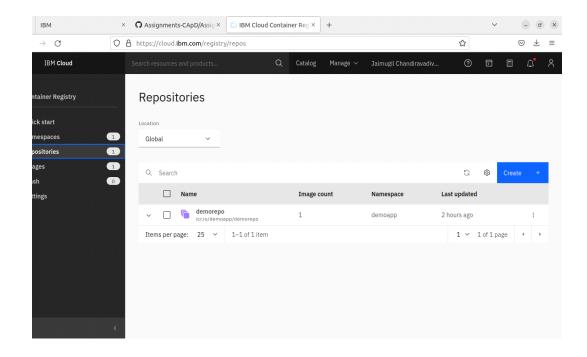
← → C 🛕 Not secure | ip172-18-0-30-cdnpl7n91rrg00b40r90-5000.direct.labs.play-with-docker.com/register

£ ★ ₹ □

ASSIGNMENT 2 REGISTRATION

Enter mail:

Submit



4.Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

