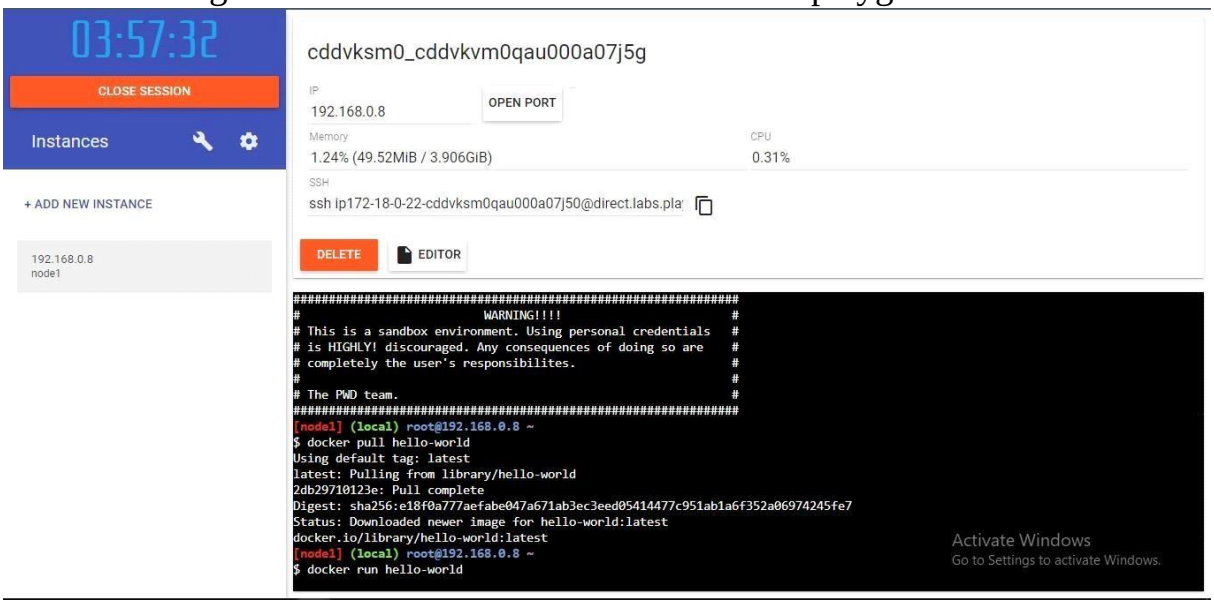
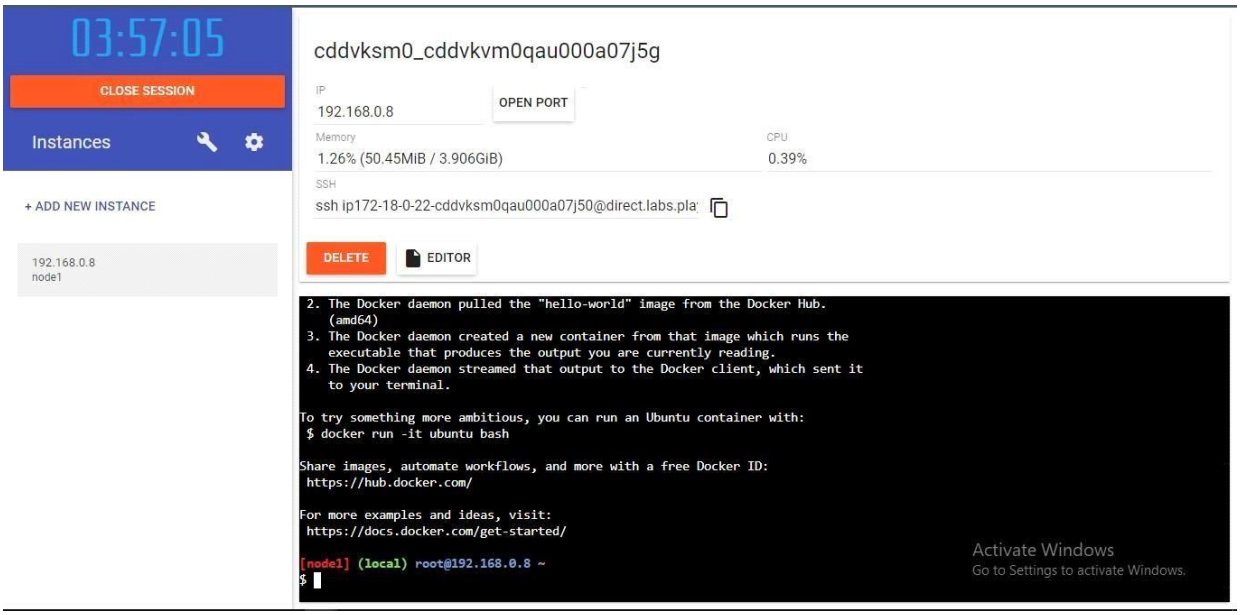
ASSIGNME
NT-4

TEAM ID	PNT2022TMID41651
PROJECT NAME	CUSTOMER CARE REGISTRY
NAME	DHINESH KUMAR M

Question 1:

Pull an image from docker hub and run it in docker playground.





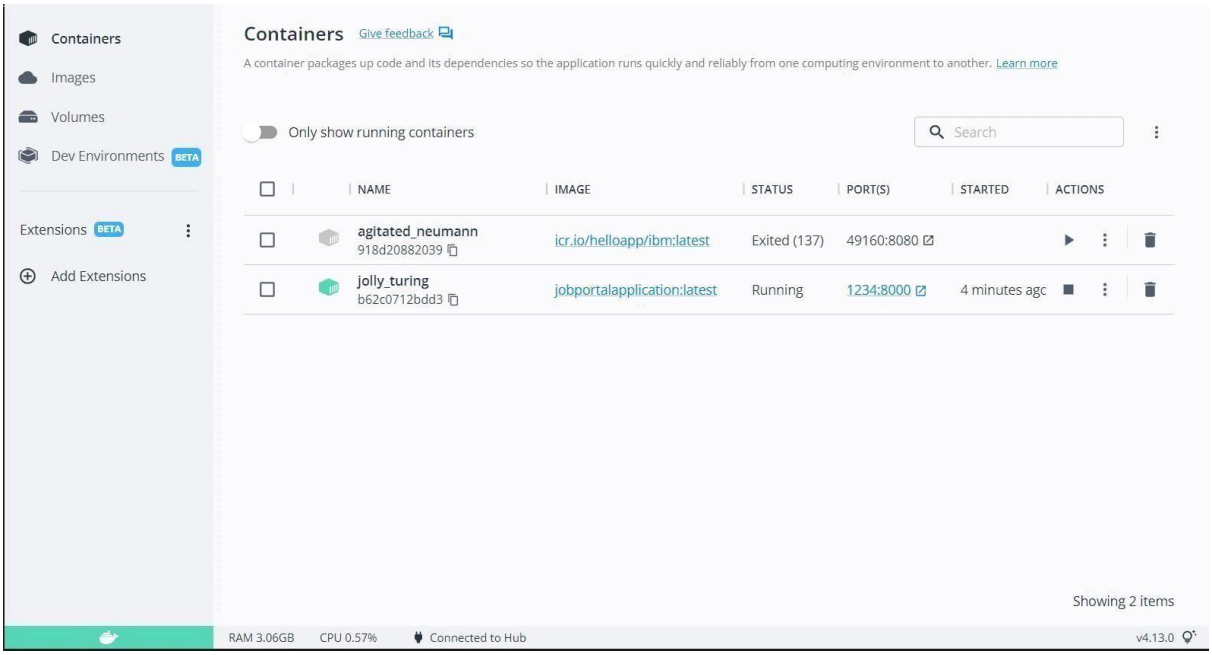
Question 2:

Createadockerfileforthejobportalapplicationanddeployitin Dockerdesktop application.

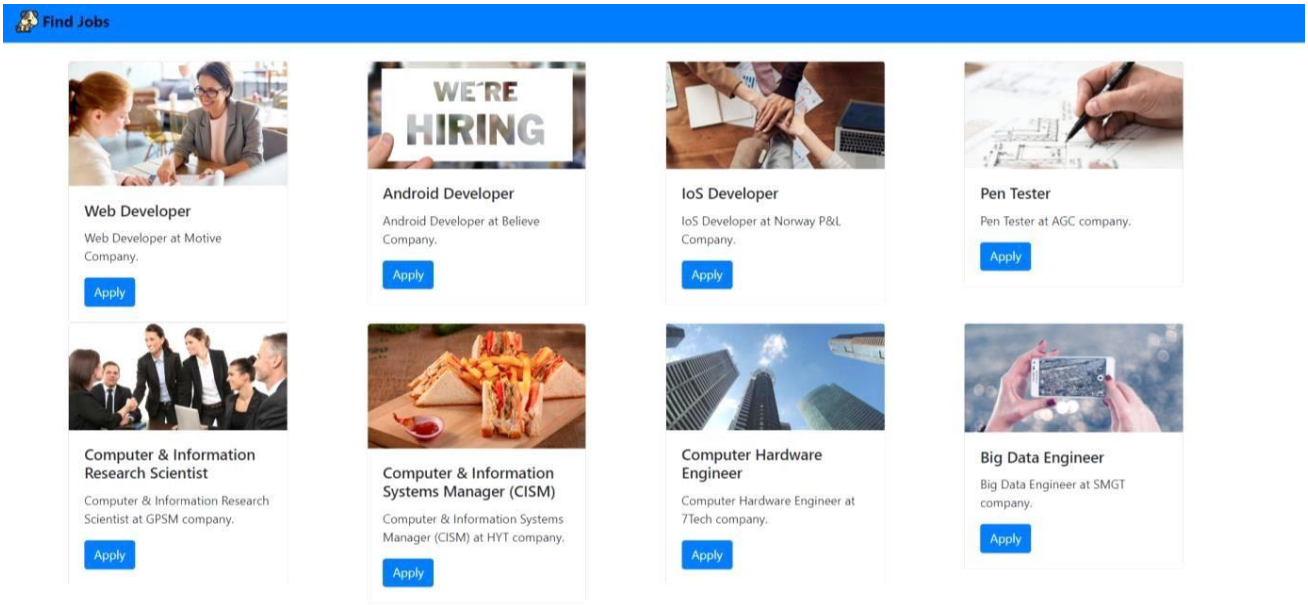
DOCKERFILE:

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

RUN cp .env.dev.sample .env

EXPOSE 8000

RUN chmod +x entrypoint.sh

CMD ["sh", "entrypoint.sh"]
```

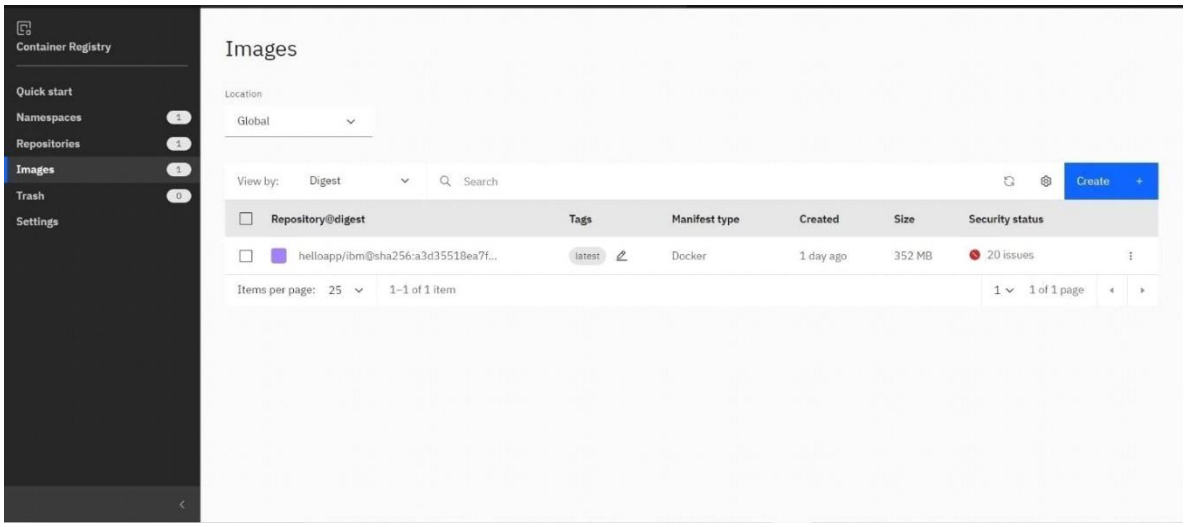
DEPLOYMENT OF JOBPORTAL APPLICATION:



OUTPUT:



Question 3:

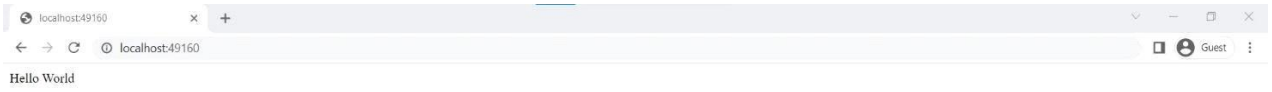


Create a IBM container registry and deploy helloworld app

or jobportapp. IBM CONTAINER REGISTRY

DEPLOYMENT:

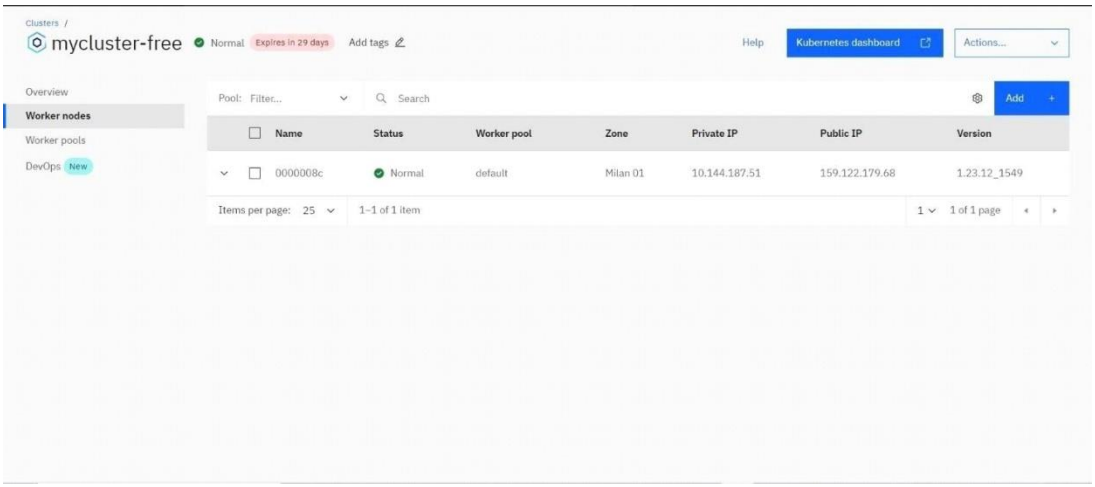
OUTPUT:



Question 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.

CREATING KUBERNETES CLUSTER IN IBM CLOUD AND EXPOSING NODEPORT:



OUTPUT: