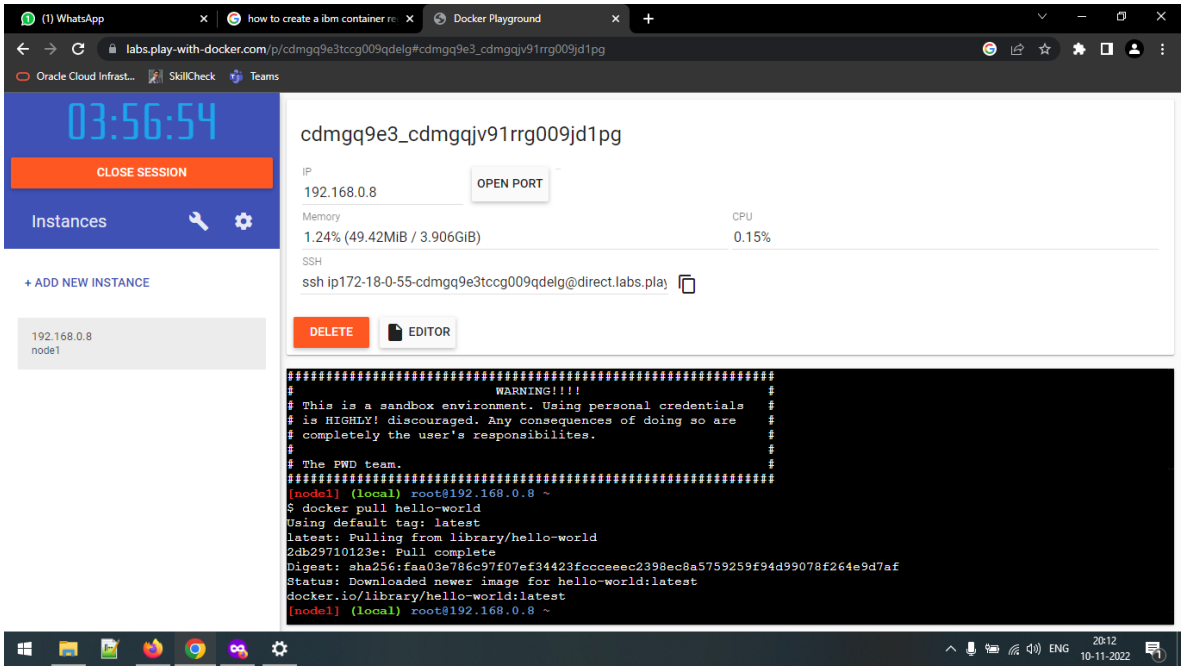
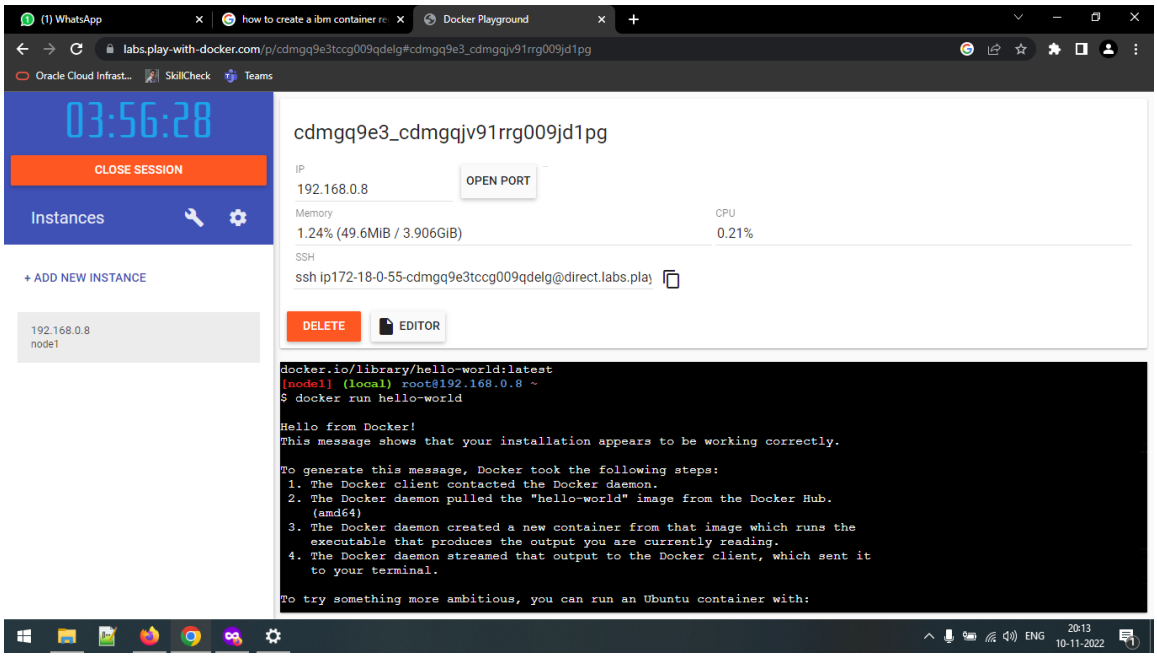
ASSIGNMENT-4

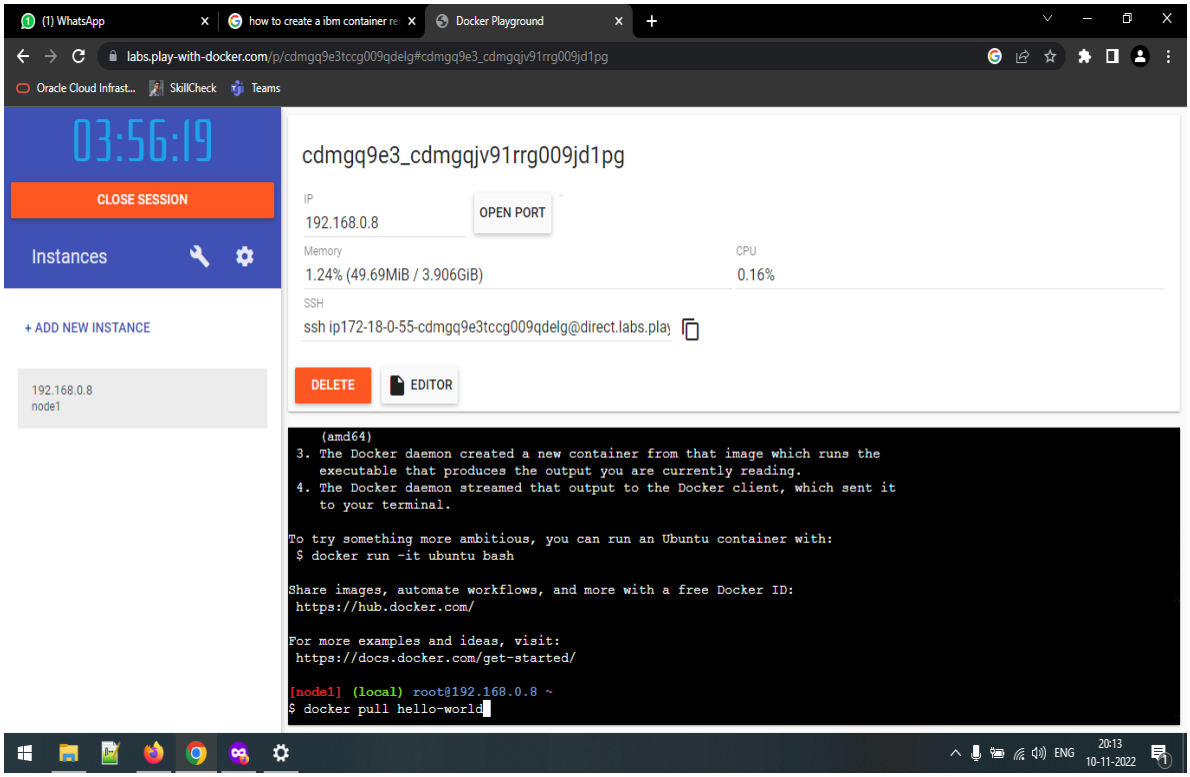
ASSIGNMENT DATE	5th NOVEMBER
STUDENT NAME	KAVYA.K
TEAM ID	PNT2022PMID25938
TEAM NAME	DAREDEVILS
MARKS	2 marks

Question 1:

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






(1) WhatsApp
how to create a ibm container re
Docker Playground
labs.play-with-docker.com/p/cdmgq9e3tccg009qdelg#cdmgq9e3_cdmgqjv91rrg009jd1pg
Oracle Cloud Infrast...
SkillCheck
Teams
03:56:19
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.8
node1
cdmgq9e3_cdmgqjv91rrg009jd1pg
IP
192.168.0.8
OPEN PORT
Memory
1.24% (49.69MiB / 3.906GiB)
CPU
0.16%
SSH
ssh ip172-18-0-55-cdmgq9e3tccg009qdelg@direct.labs.play
DELETE
EDITOR
(amd64)
3. The Docker daemon created a new container from that image which runs the
executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
to your terminal.
To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash
Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/
For more examples and ideas, visit:
https://docs.docker.com/get-started/
[node1] (local) root@192.168.0.8 ~
$ docker pull hello-world
ENG
20:13
10-11-2022

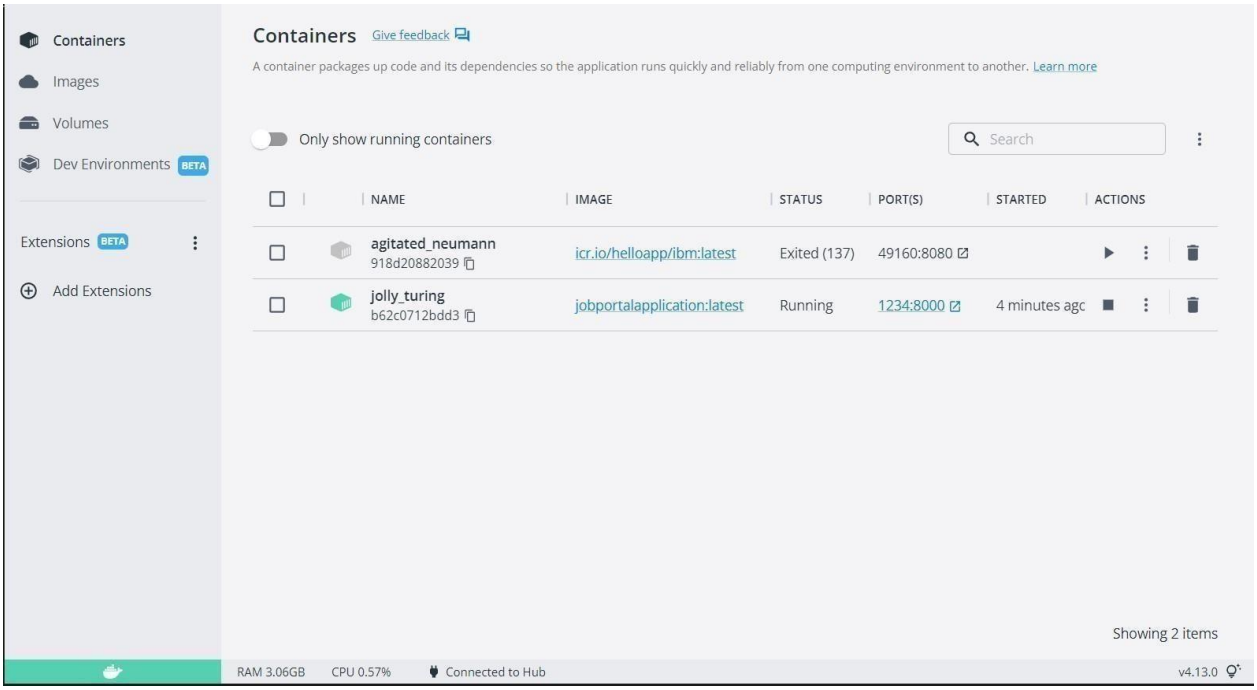
Question 2:

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

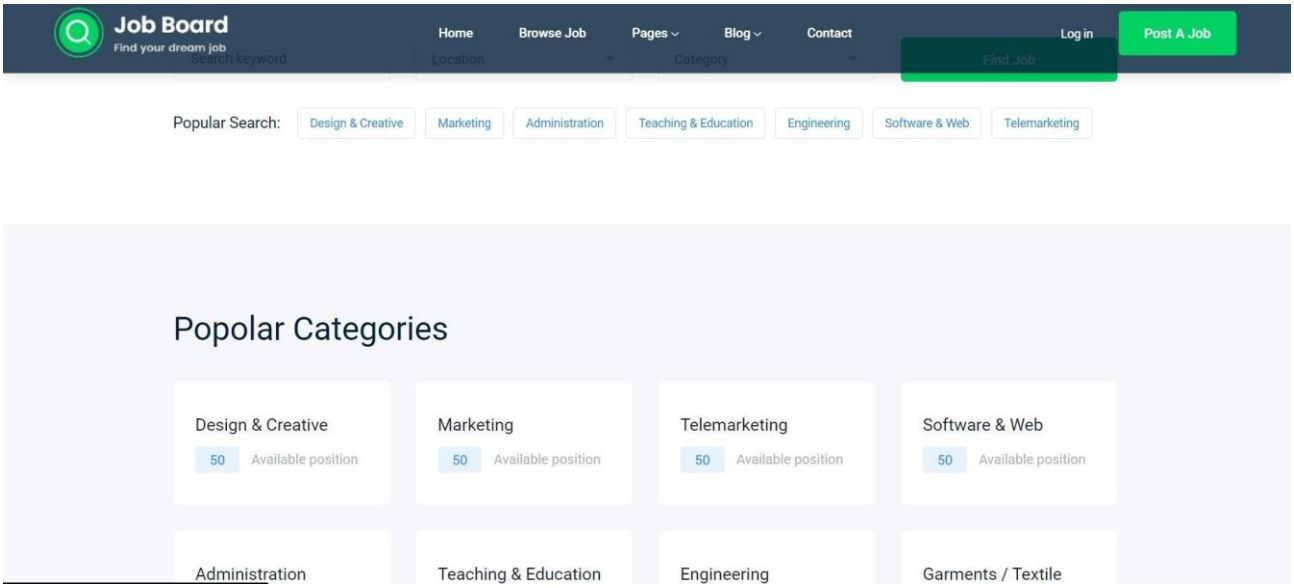
DOCKER FILE:

```
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



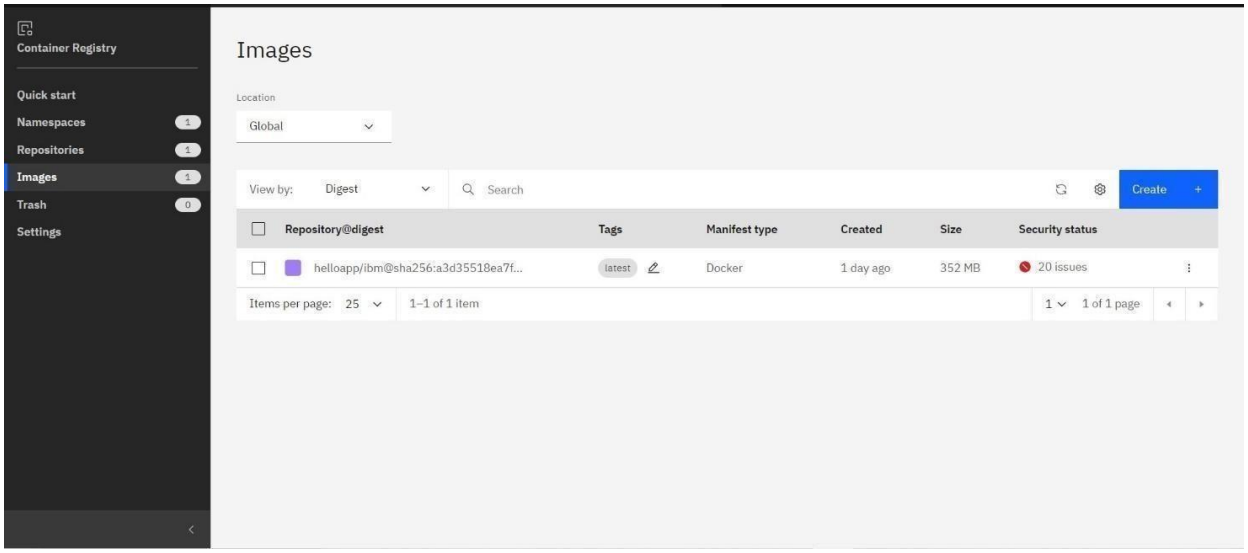
OUTPUT:


Job Board
Find your dream job
Home
Browse Job
Pages
Blog
Contact
Log in
Post A Job
Search keyword
Location
Category
Find Job
Popular Search:
Design & Creative
Marketing
Administration
Teaching & Education
Engineering
Software & Web
Telemarketing
Popolar Categories
Design & Creative
50
Available position
Marketing
50
Available position
Telemarketing
50
Available position
Software & Web
50
Available position
Administration
Teaching & Education
Engineering
Garments / Textile

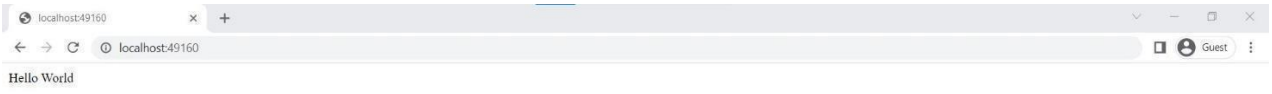
Question 3:

Create a IBM container registry and deploy hello-world app or job port app. IBM

CONTAINER REGISTRY DEPLOYMENT:



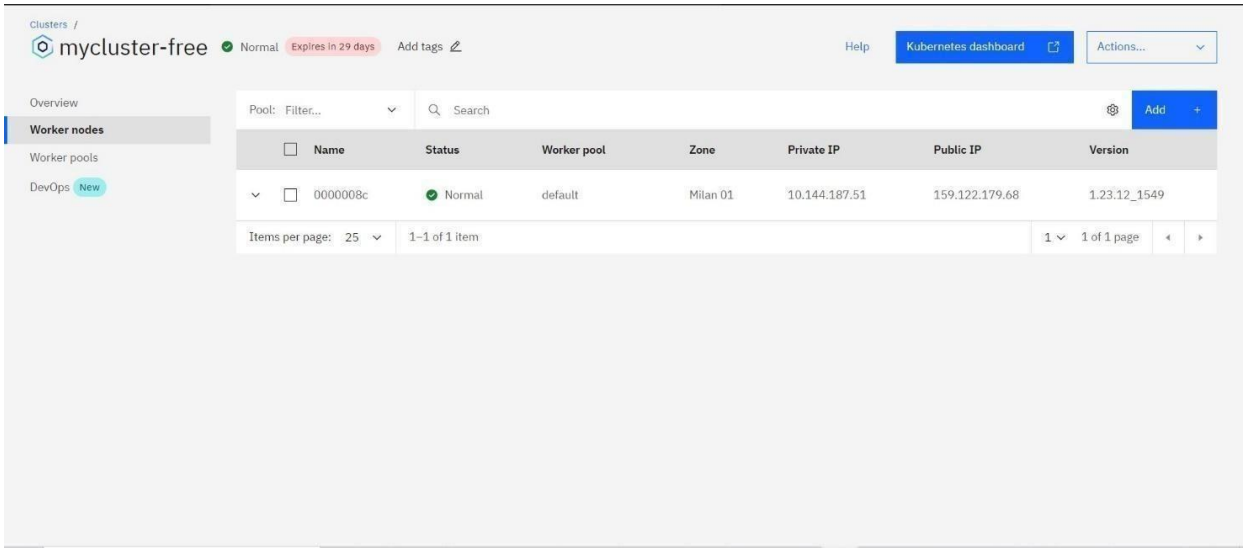
OUTPUT:



Question 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 node port.

Creating Kubernetes cluster in IBM cloud and exposing node port:



OUTPUT: