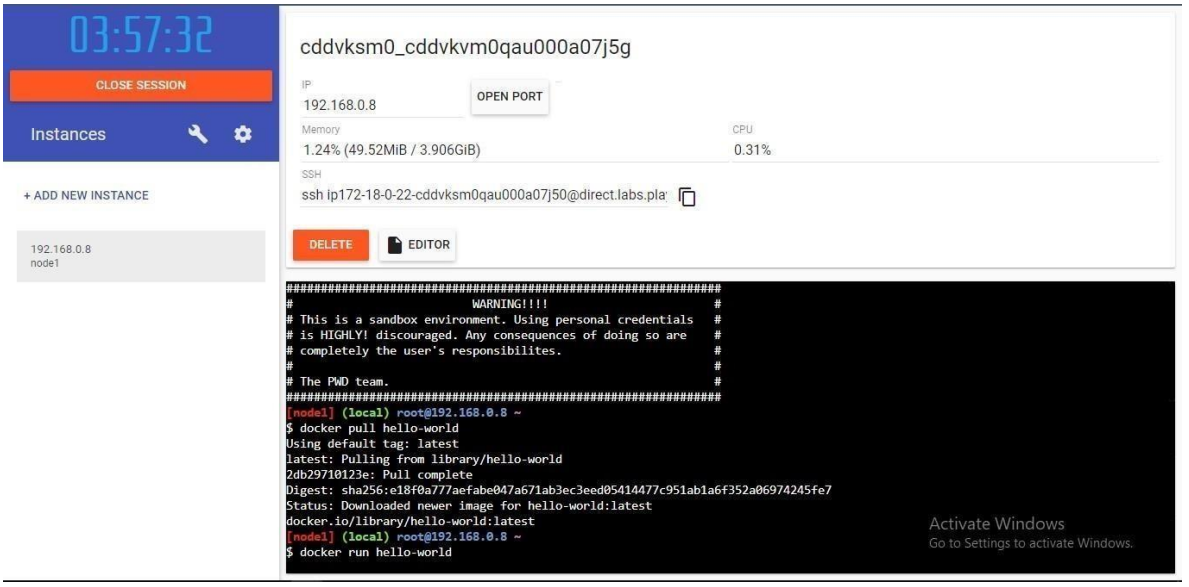
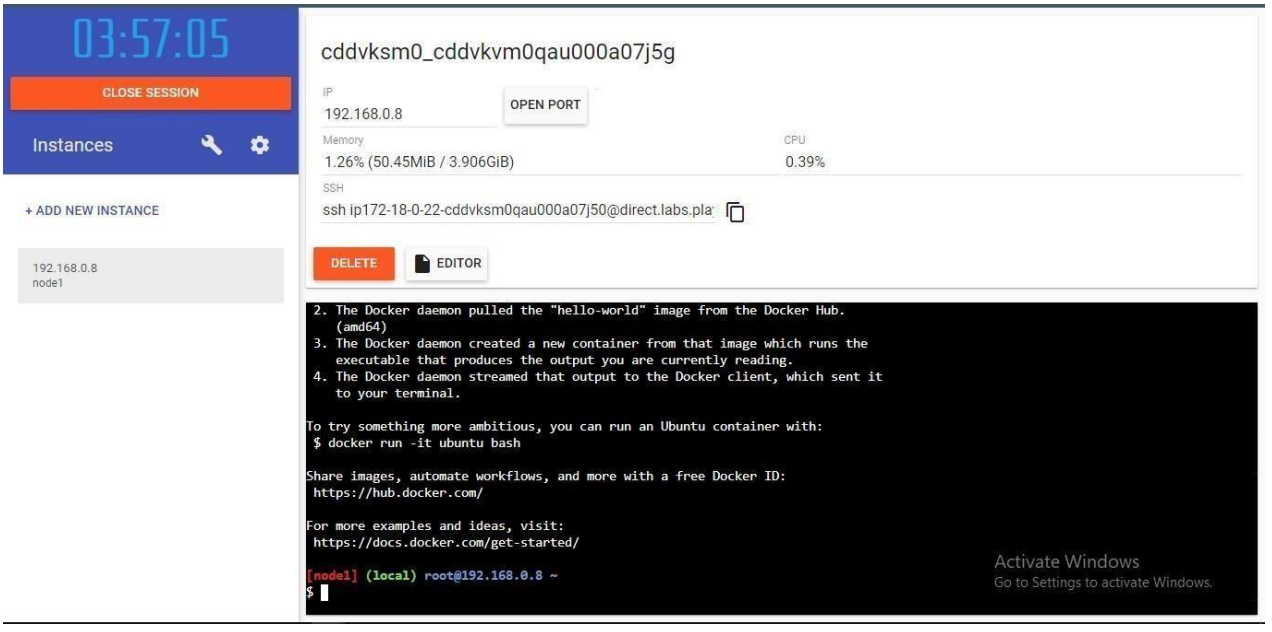
Assignment -4

Assignment Date	3 November 2022
Student Name	Hari S
Student Roll Number	720719110031
Maximum Marks	2 Marks

Question 1:

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





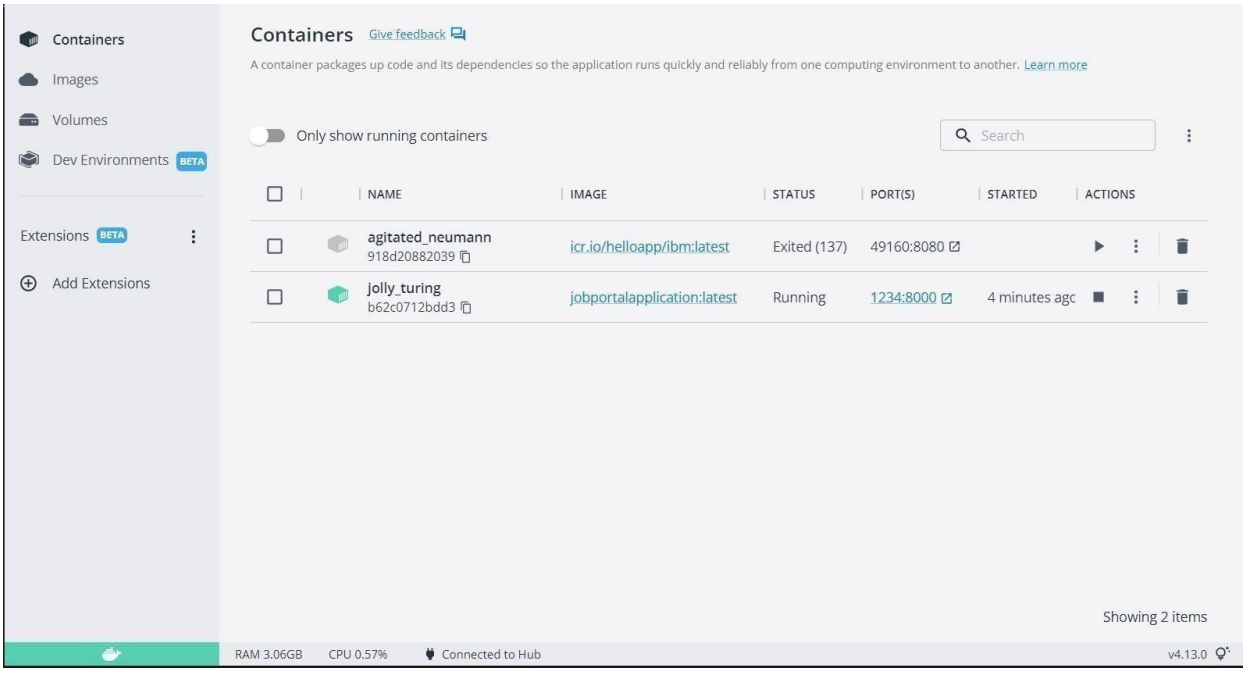
QUESTION 2:

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

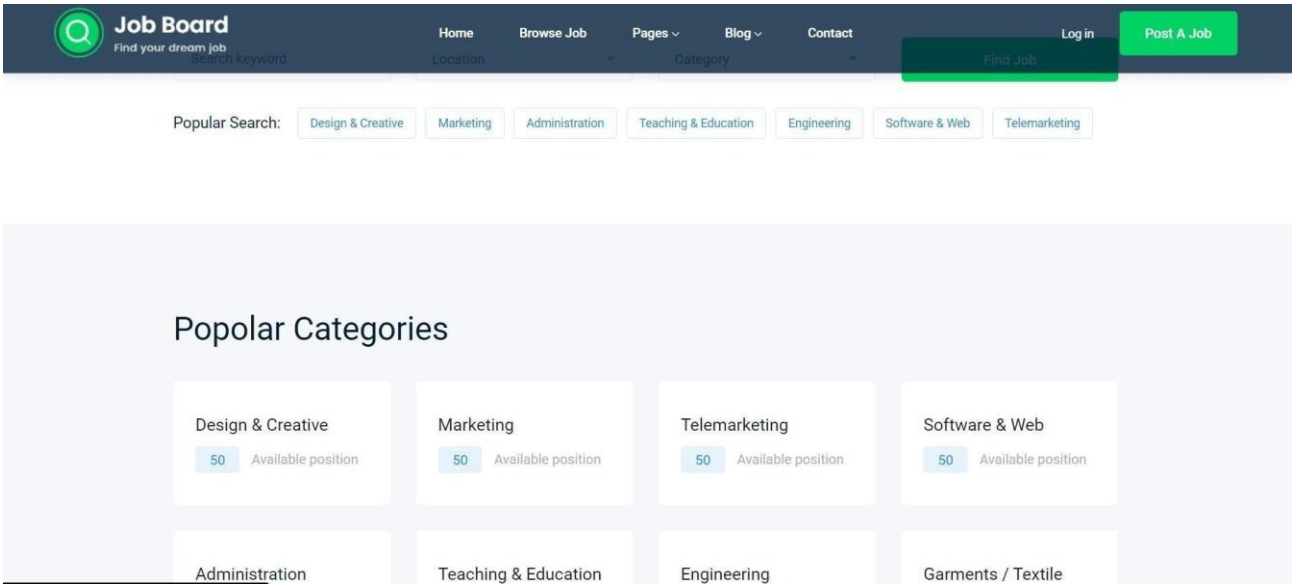
DOCKER FILE:

```
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:



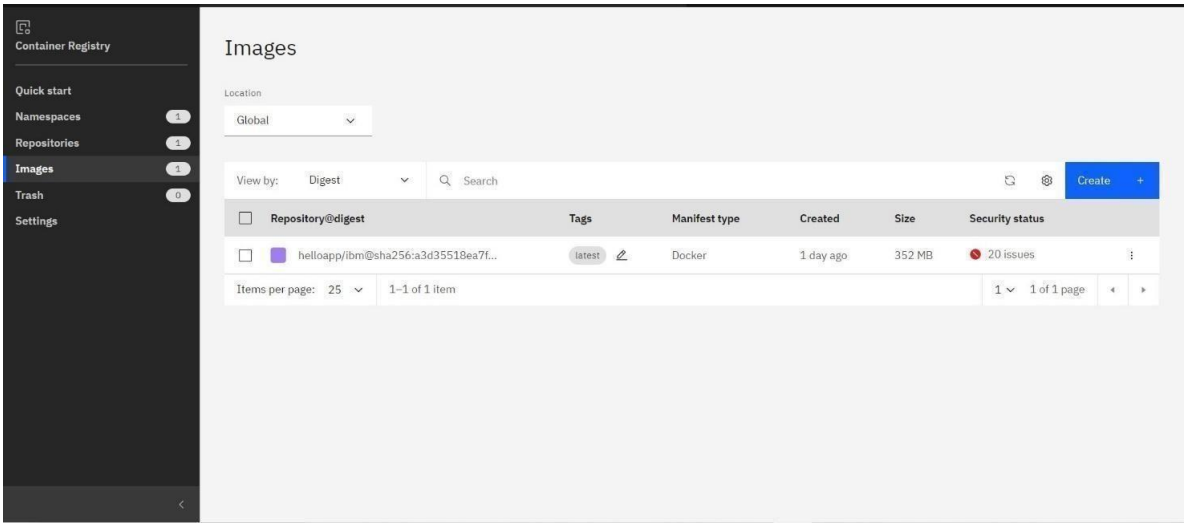
OUTPUT:


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

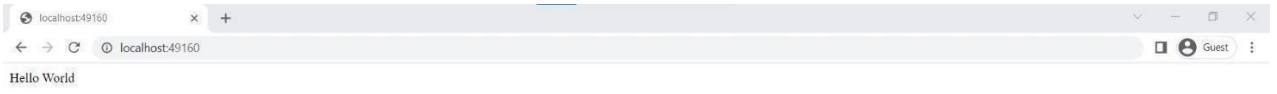
QUESTION-3:

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

CONTAINER REGISTRY DEPLOYMENT:



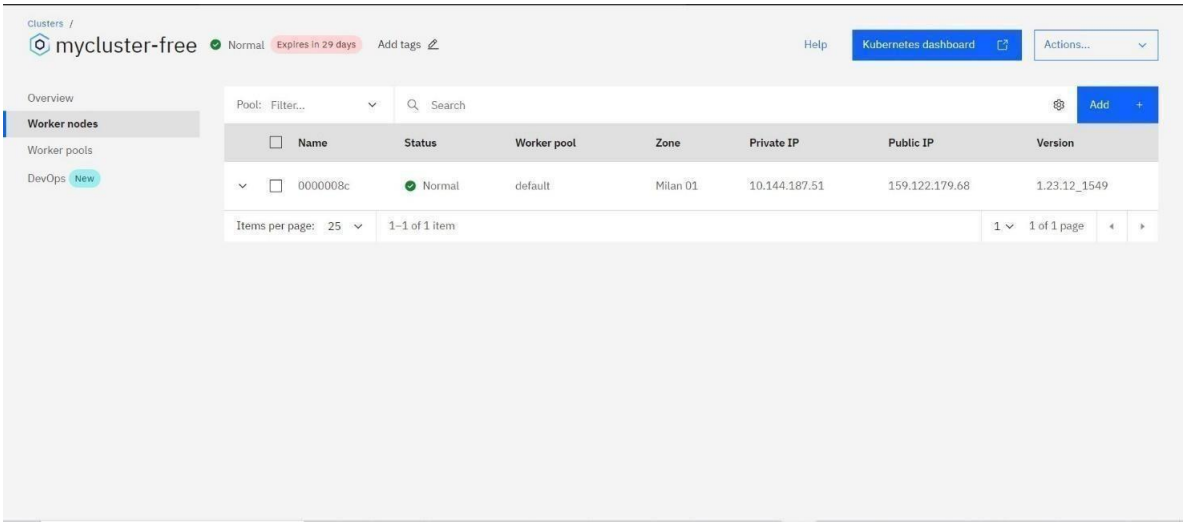
OUTPUT:



QUESTION-4:

Create a Kubernetes cluster in IBM cloud and deploy hello world imageor job portal image and also expose the same app to run in node port.

CREATING KUBERNETES CLUSTER IN IBM CLOUD AND EXPOSING NODE PART:



Output: