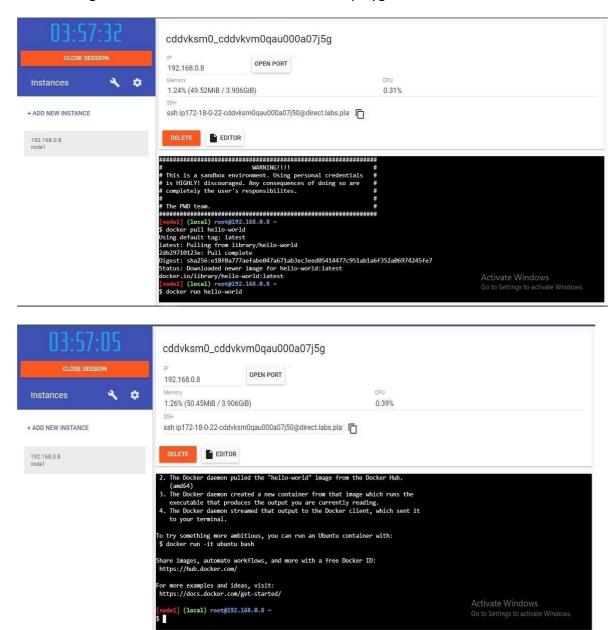
Assignment - 4

Student Name	Phooja Shree.R
Student Roll Number	211419104189
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

WORKOIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY ./app/

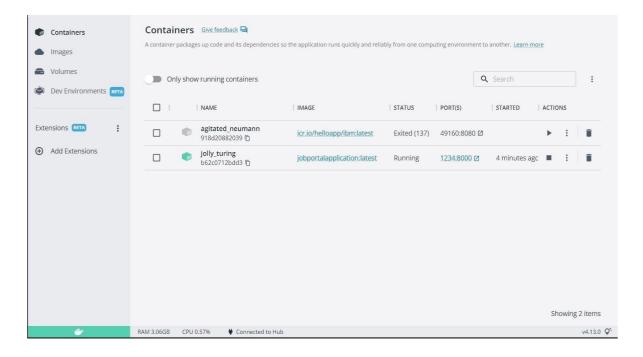
RUN cp.env.dev.sample .env

EXPOSE 8080

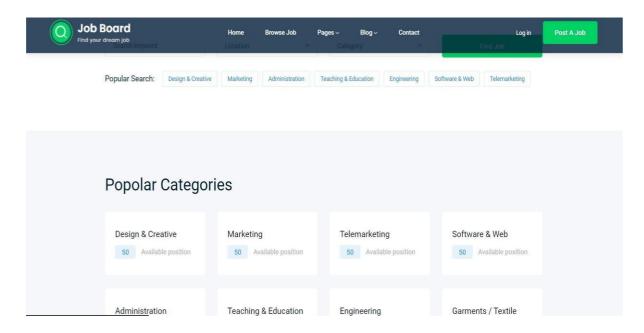
RUN chmod +x entrypoint.sh

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

DEPLOYMENT OF JOBPORTAL APPLICATION:



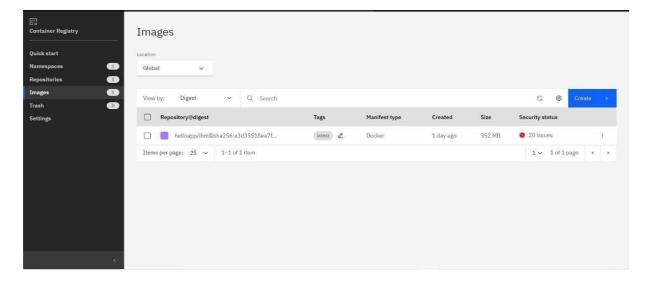
OUTPUT:



Question 3:

Create a IBM container registry and deploy hello-world apport opp. IBM

CONTAINER REGISTRY DEPLOYMENT:



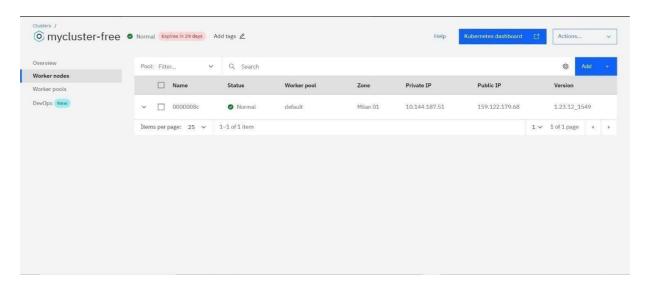
OUTPUT:



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:

