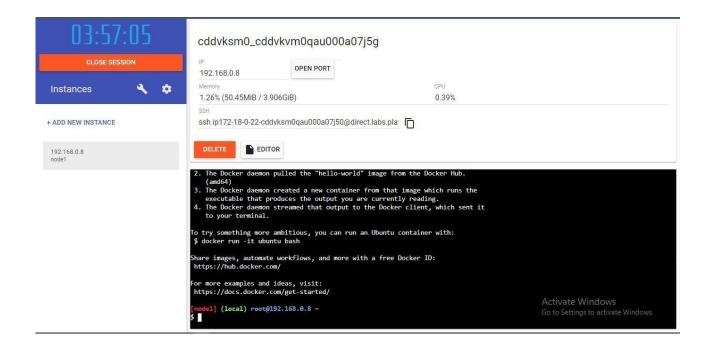
Assignment - 4

Assignment Date	03 November 2022
Student Name	Shanmugarajan M
Student Roll Number	113119UG04097
Team ID	PNT2022TMID22461
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 jobportal application and deploy it in Docker desktop application.

DOCKERFILE:

```
## WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

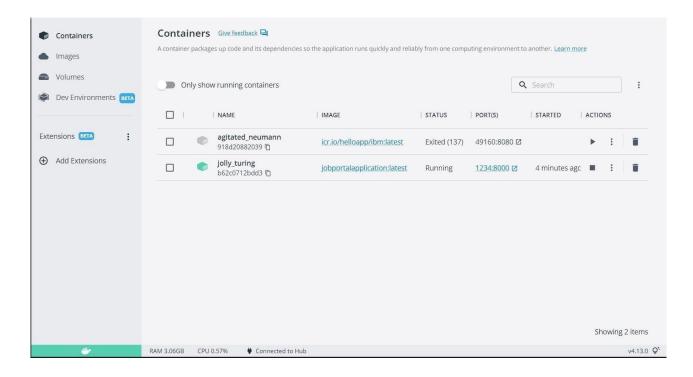
RUN cp .env.dev.sample .env

EXPOSE 8000

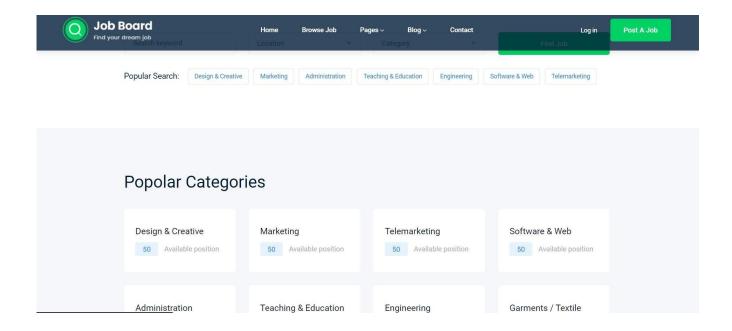
RUN chmod +x entrypoint.sh

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

DEPLOYMENT OF JOBPORTAL APPLICATION:



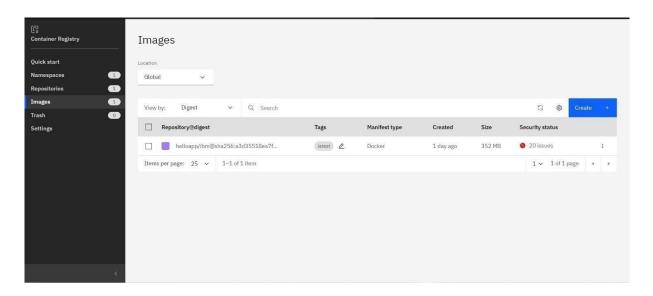
OUTPUT:



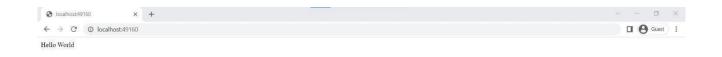
Question 3:

Create a IBM container registry and deploy helloworld app or jobportapp.

IBM CONTAINER REGISTRY DEPLOYMENT:



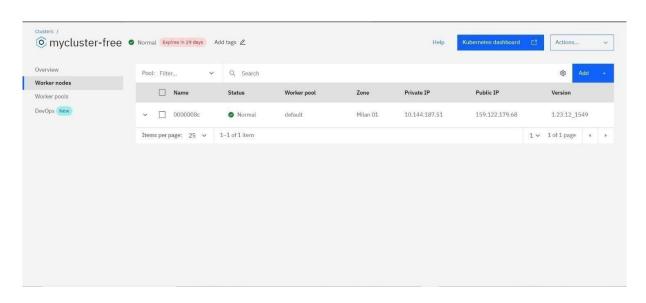
OUTPUT:



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:

