# Assignment - 4

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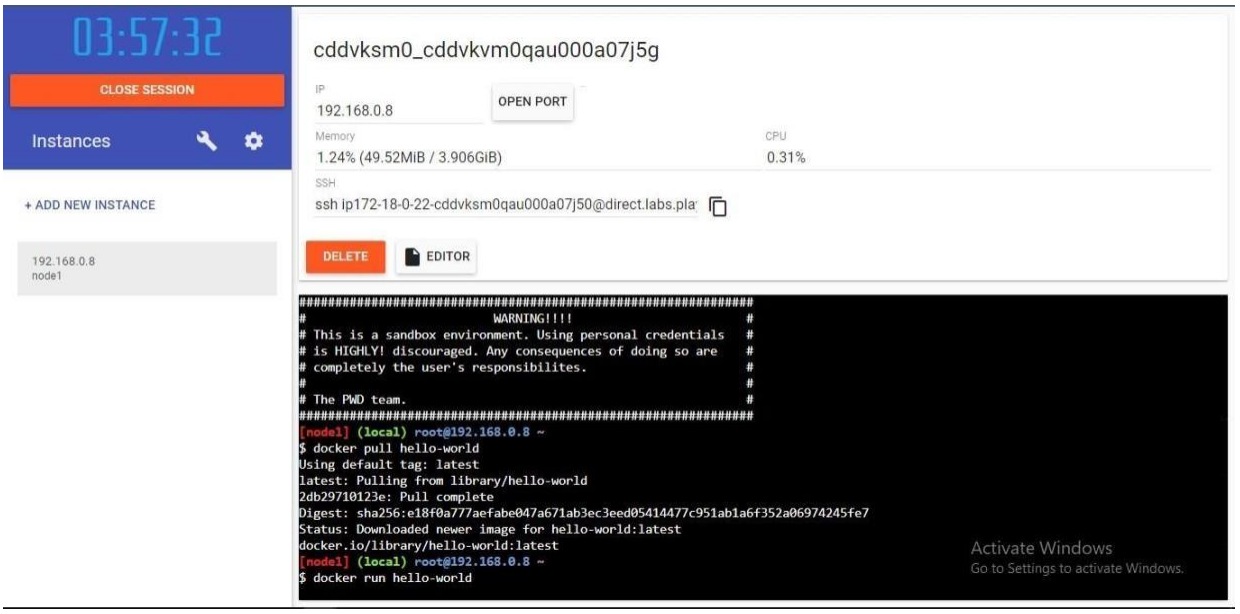
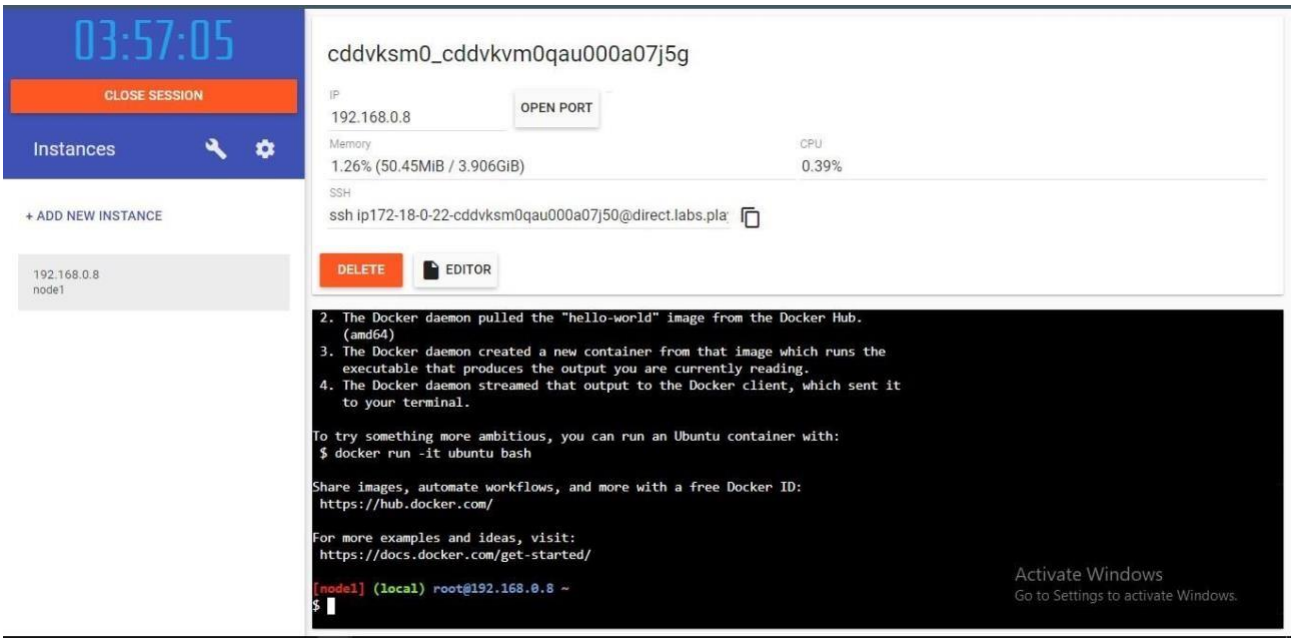
|---|---|
| STUDENT NAME | GOKUL M |
| STUDENT ROLL NUMBER | 710719104034 |
| MAXIMUM MARKS | 2 MARKS |
| TEAM ID | PNT2022TMID31299 |

**Question 1:**

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





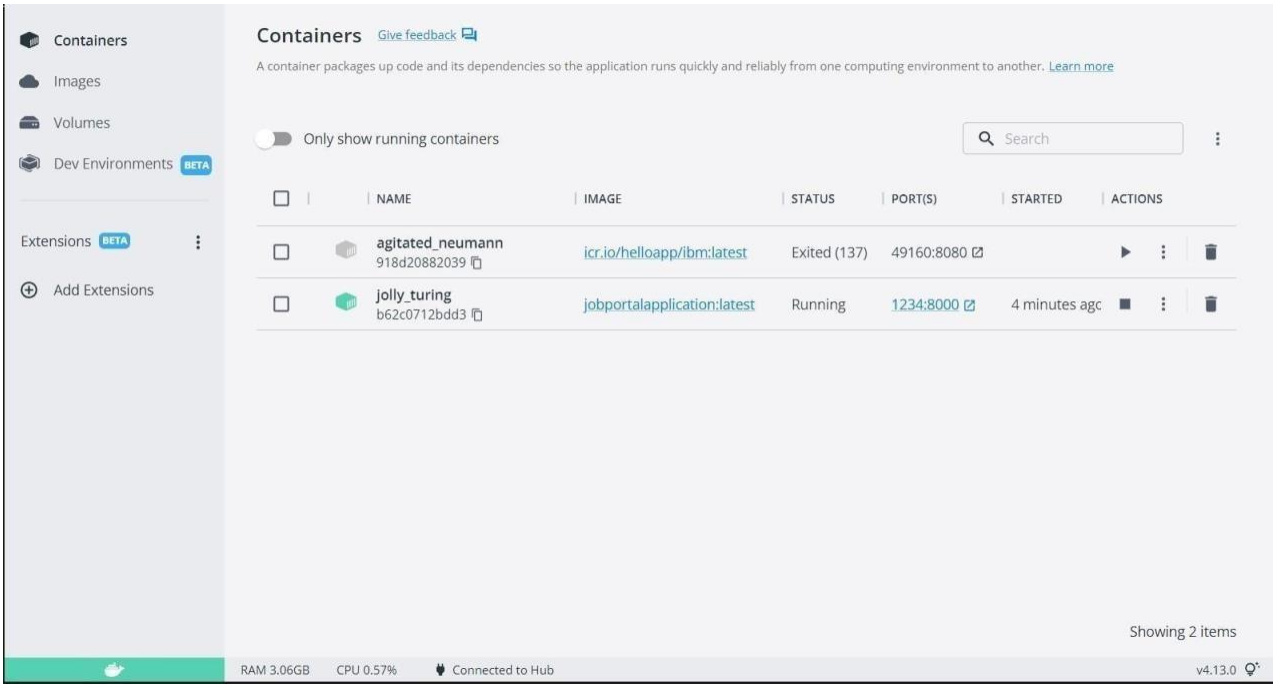

**Question 2:**

Create a docker file for the jobportal application and deploy it in Docker desktopapplication.

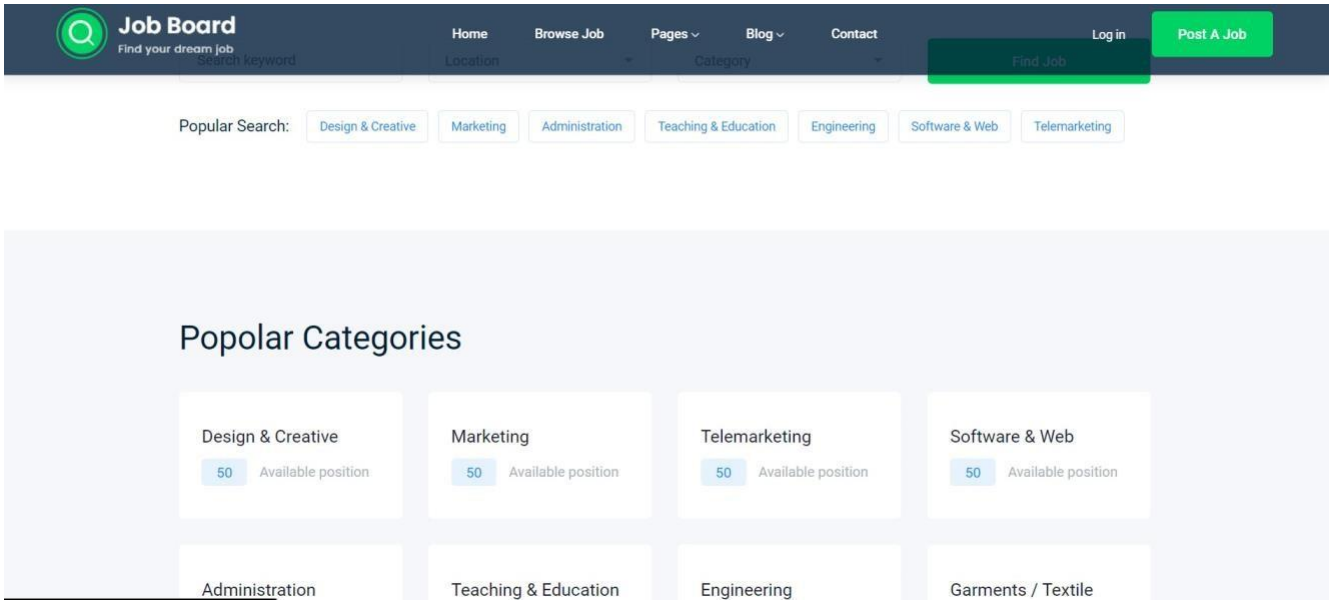
DOCKERFILE:

```
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:



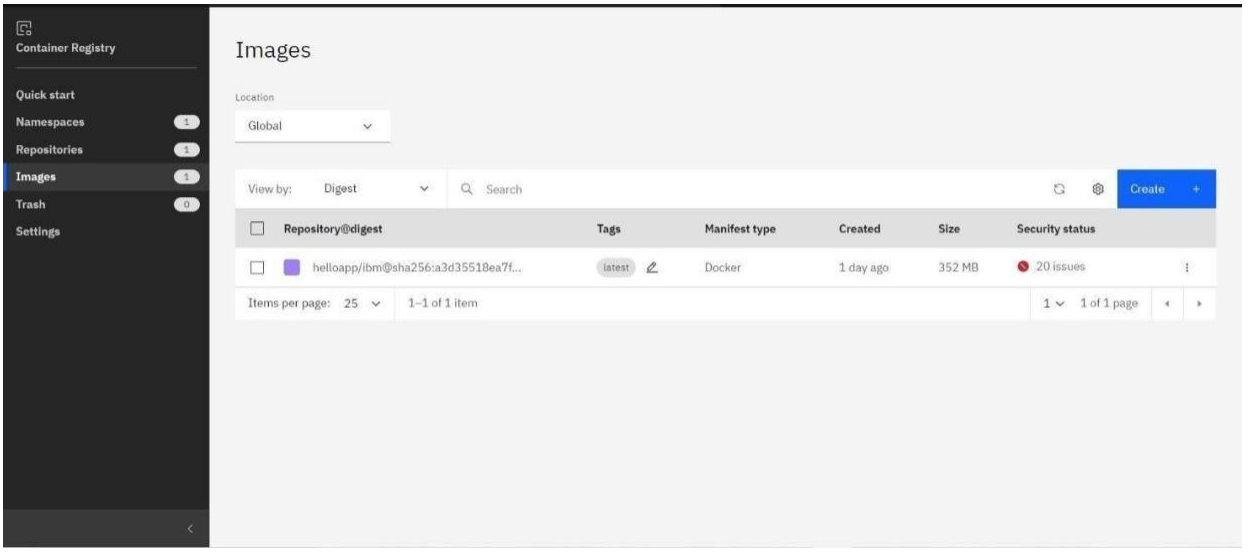

OUTPUT:



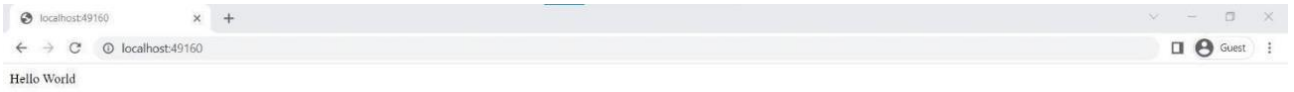
**Question 3:**

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

REGISTRY DEPLOYMENT:



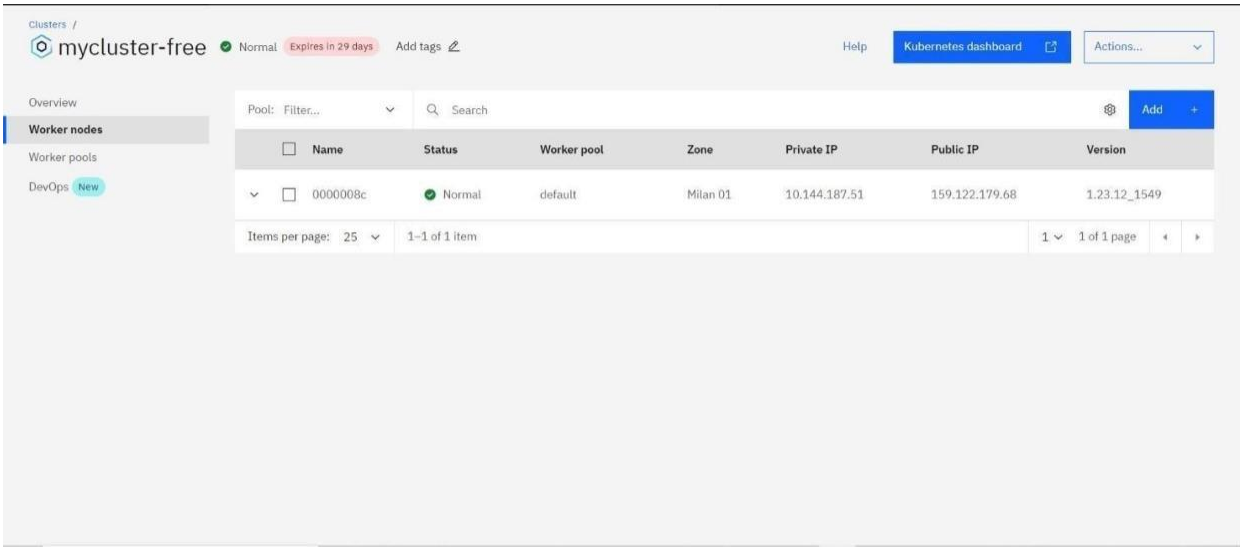

OUTPUT:



**Question 4:**

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal imageand also expose the same app to run in nodeport.

Creating kubernetes cluster in IBM cloud and exposing nodeport:




OUTPUT: