Assignment - 4

Assignment Date	27October 2022
Student Name	Hemalakshmi.M
Student Roll Number	210819104027
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 desktopapplication.

DOCKER FILE:

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

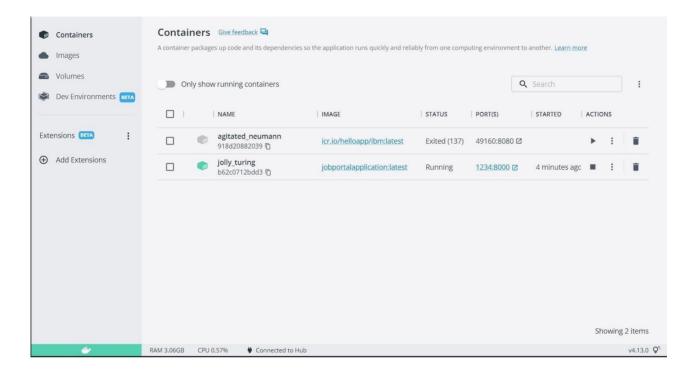
RUN cp.env.dev.sample .env

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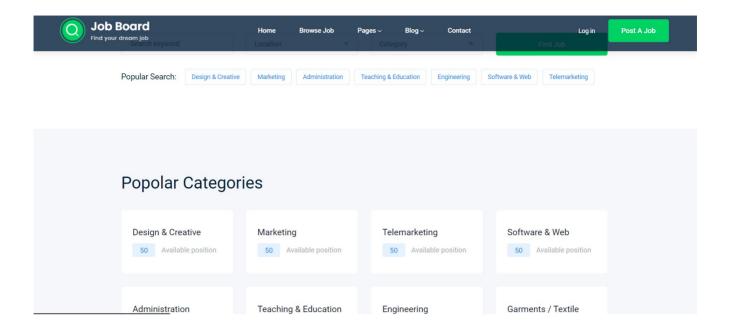
RUN chemod +x entrypoint.sh

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

DEPLOYMENT OF JOBPORTAL APPLICATION:



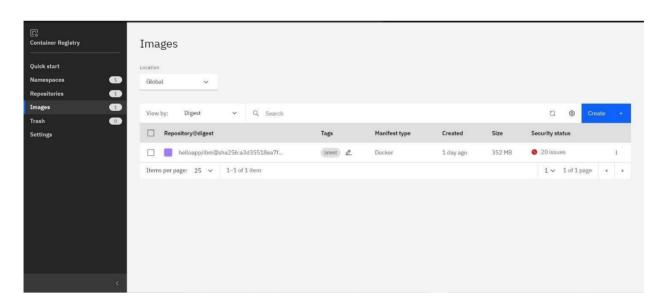
OUTPUT:



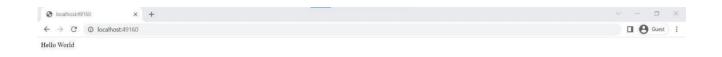
Question 3:

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

REGISTRY DEPLOYMENT:



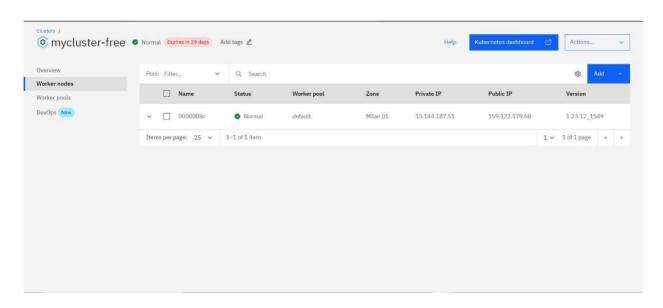
OUTPUT:



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:

