# **Assignment - 4**

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## **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.

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

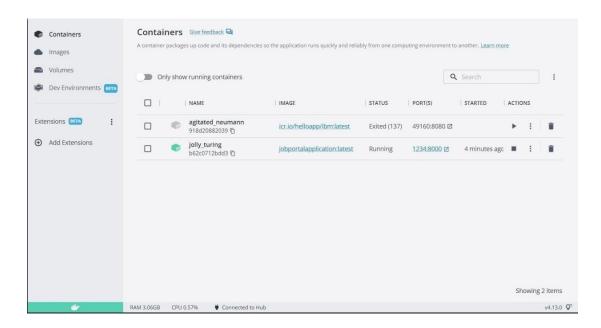
RUN cp .env.dev.sample .env

EXPOSE 8888

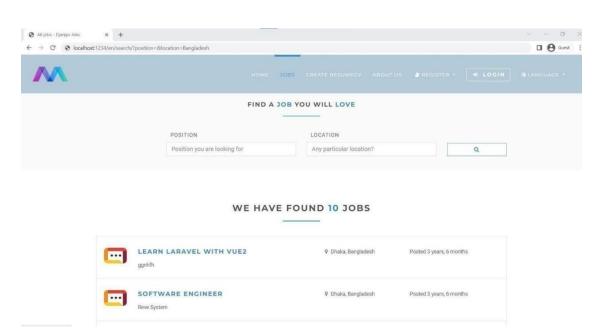
RUN chmod +x entrypoint.sh

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

#### DEPLOYMENT OF JOBPORTAL APPLICATION



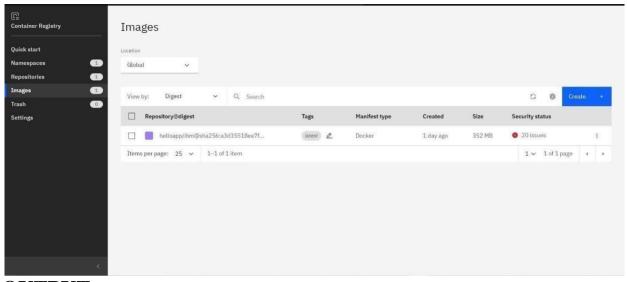
#### **OUTPUT**



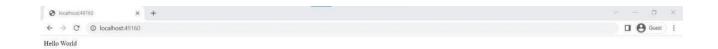
# **Question 3:**

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

### 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:**

