# Assignment 4

Assignment Date	21 September 2022
Student Name	Anne Merin Mathew
Student Roll Number	961819104015
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 inDocker desktop application

```
WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

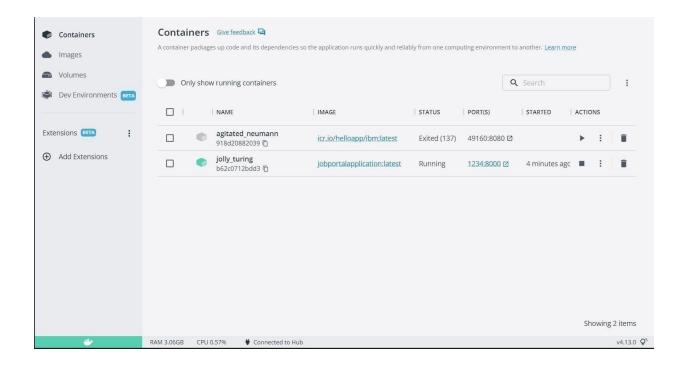
RUN cp .env.dev.sample .env

EXPOSE 8808

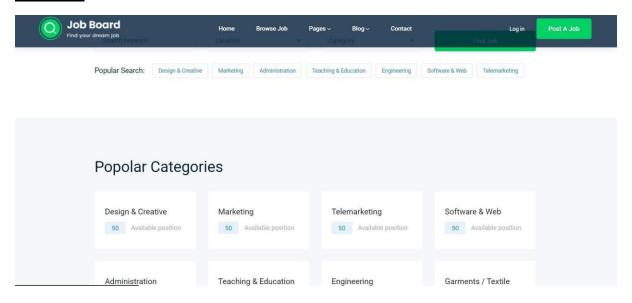
RUN chmod +x entrypoint.sh

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

## **DEPLOYMENT OF JOBPORTAL APPLICATION:**



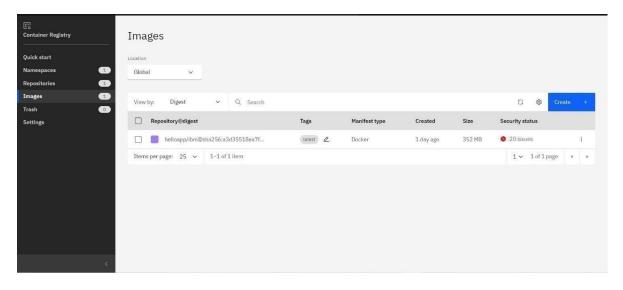
#### **OUTPUT:**



## **Question 3**

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

# **DEPLOYMENT:**



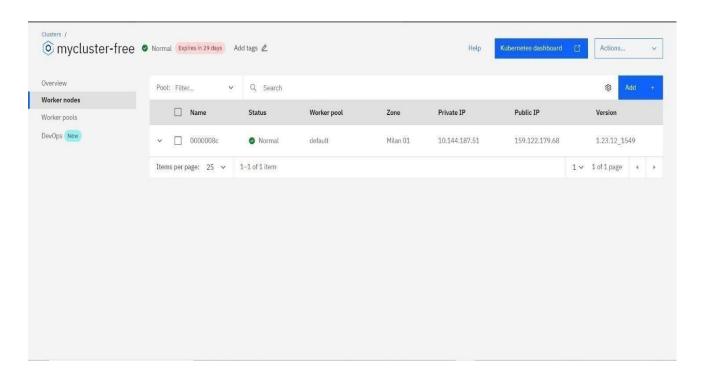
# **OUTPUT:**



# **Question 4**

Create a Kubernetes cluster in IBM cloud and deploy hello world imageor 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

