Assignment 4

Assignment Date	10-10- 2022
Student Name	Abed Meha
Student Roll Number	961819104002
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

```
1   FROM python:3.8-buster
2
3   WORKDIR /app
4
5   COPY requirements.txt /app/
6
7   RUN pip install -r requirements.txt
8
9   COPY . /app/
10
11  RUN cp .env.dev.sample .env
12
13  EXPOSE 8000
14
15  RUN chmod +x entrypoint.sh
16
17  CMD ["sh", "entrypoint.sh"]
```
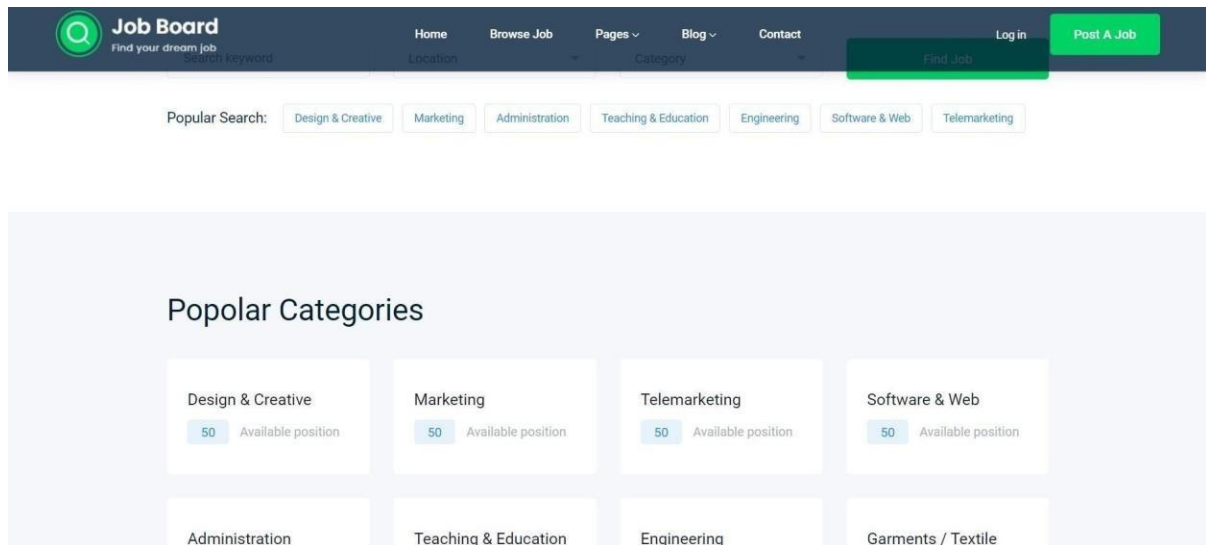
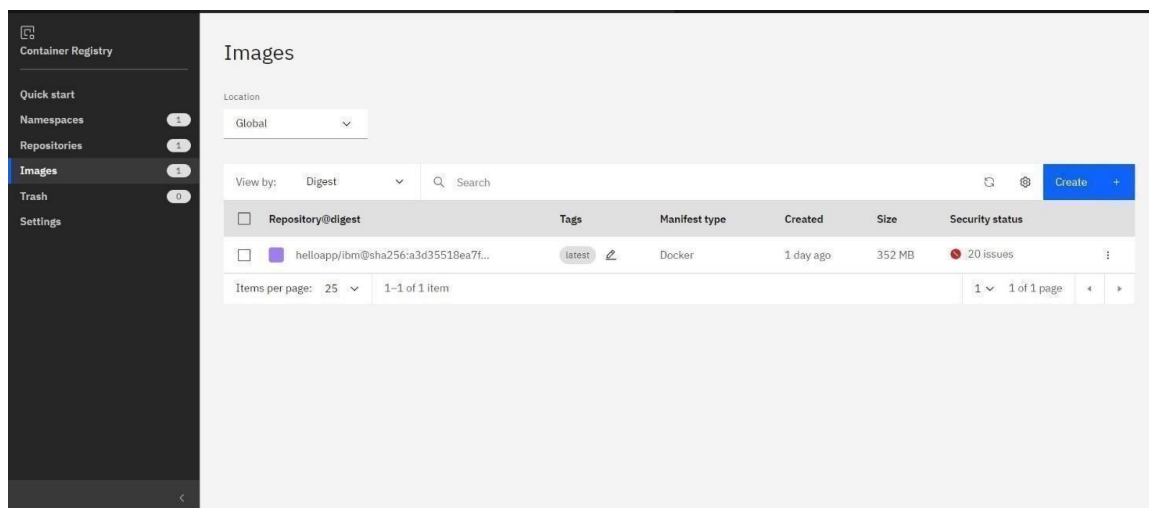## DEPLOYMENT OF JOBPORTAL APPLICATION:
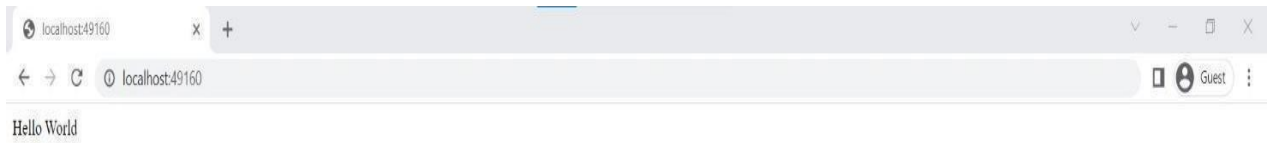
OUTPUT:

Question 3

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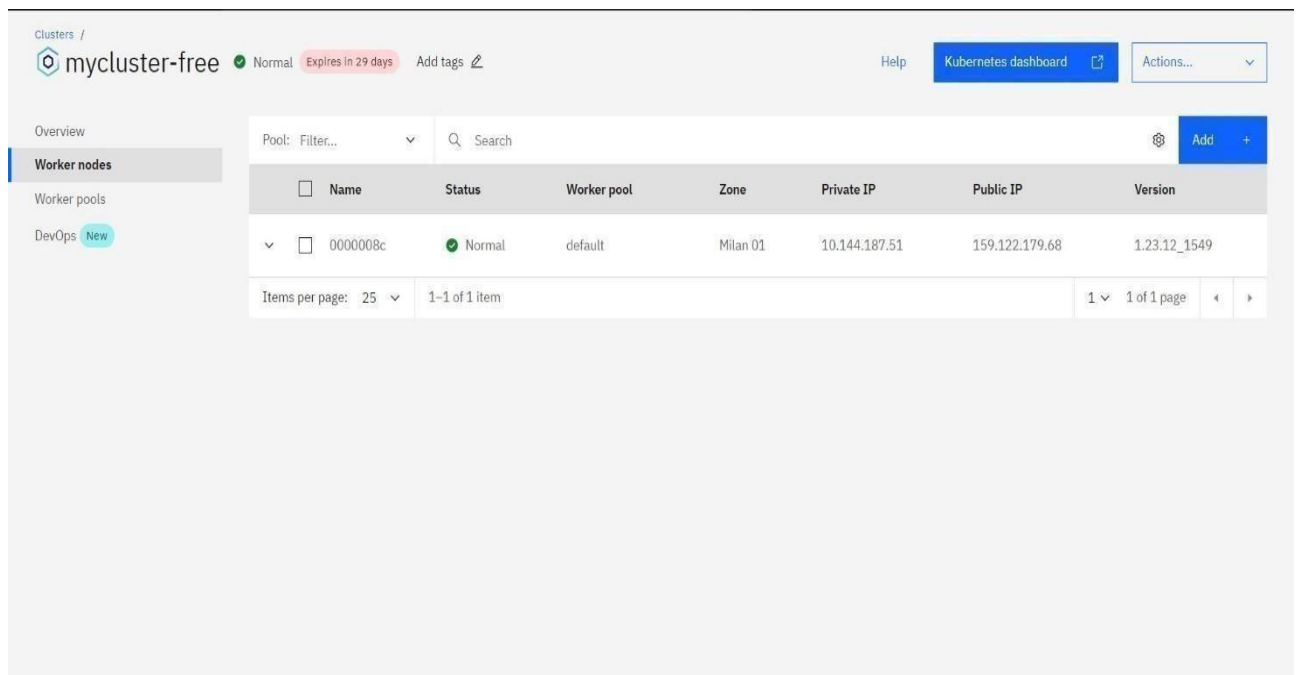IBM CONTAINER REGISTRY

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: