Assignment - 4

Assignment Date	03 November 2022
Student Name	Manisha P
Student Roll Number	113119UG04057
Maximum Marks	2 Marks
Team ID	PNT2022TMID22399

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.

DOCKERFILE:


```
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:
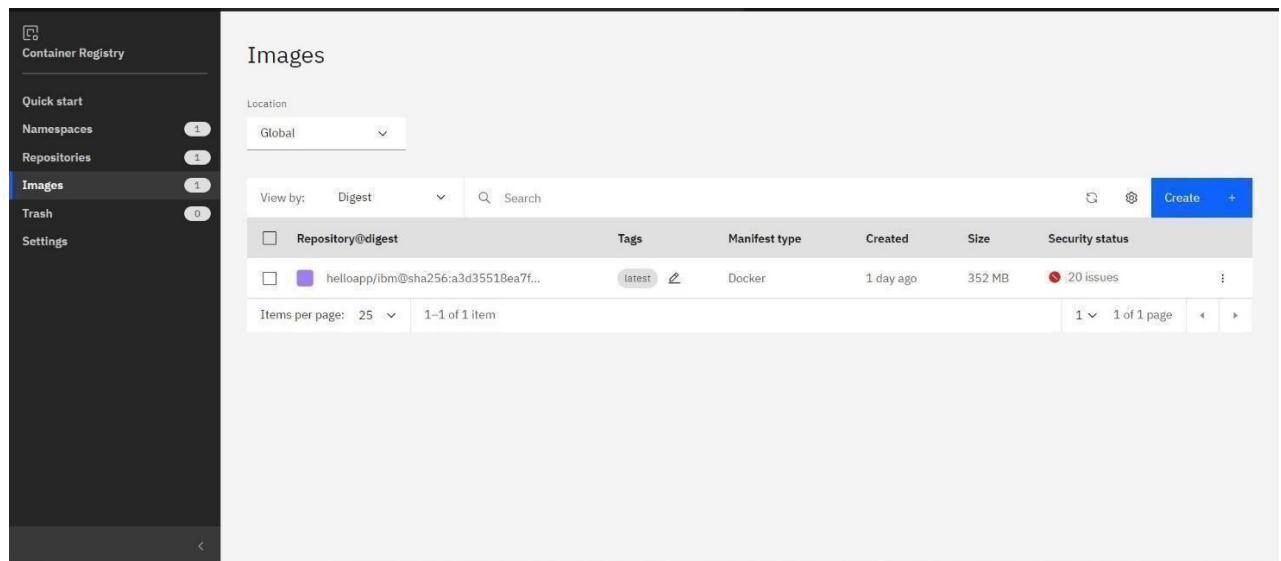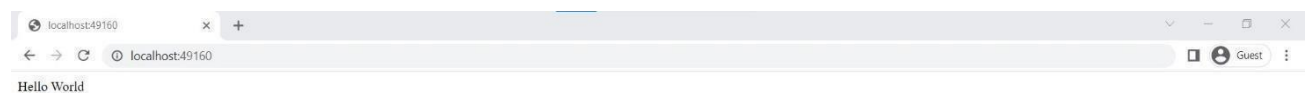
Question 3
Create a IBM container registry and deploy hello world app or job portal app.

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: