Assignment - 4

Assignment Date	30 October 2022
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Team ID	PNT2022TMID26171
Maximum Marks	2 Marks

Question 1:

Pull an image from docker hub and run it in docker playground.
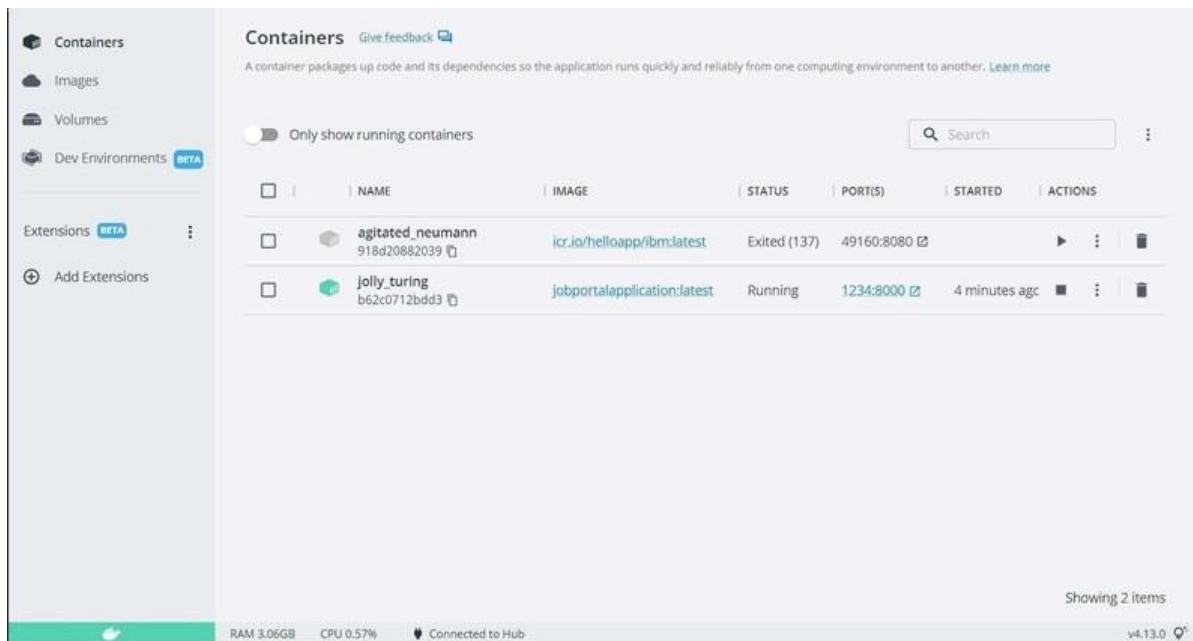
Question 2:

Create a docker file for the jobportal 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"]
```
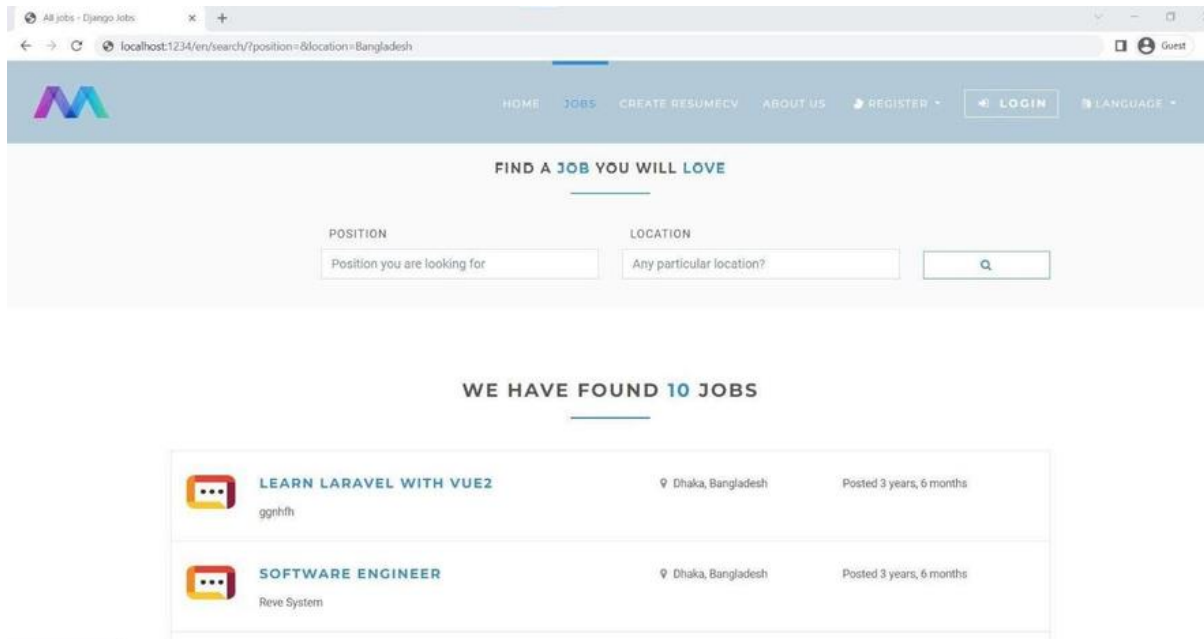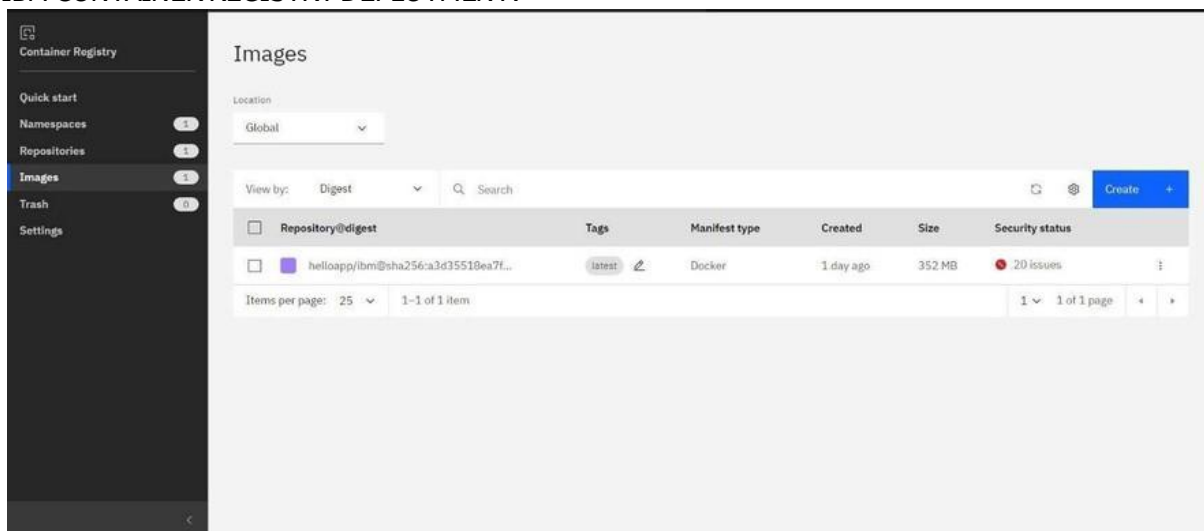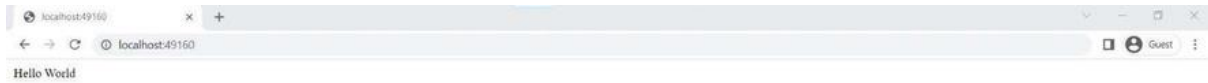
DEPLOYMENT OF JOBPORTAL APPLICATION:

OUTPUT:

Question 3:

Create a IBM container registry and deploy helloworld app or jobportal app.
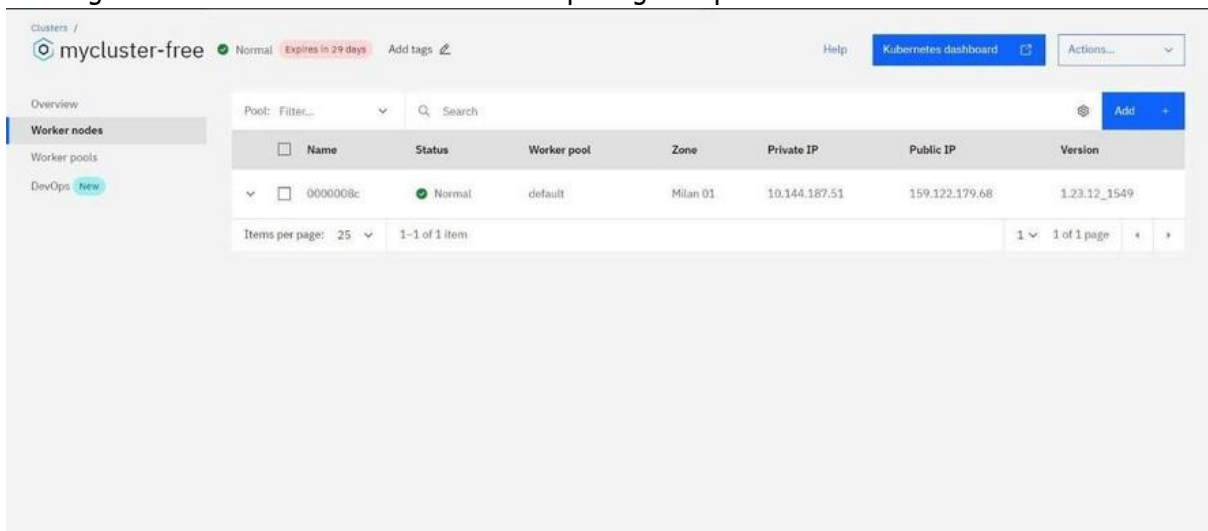
IBM CONTAINER REGISTRY DEPLOYMENT:

OUTPUT:

Hello World

Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

Creating kubernetes cluster in IBM cloud and exposing nodeport:

Output:

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