ASSIGNMENT 4

Team Batch No: B6-M2E

TEAM MEMBERS

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Question 1:

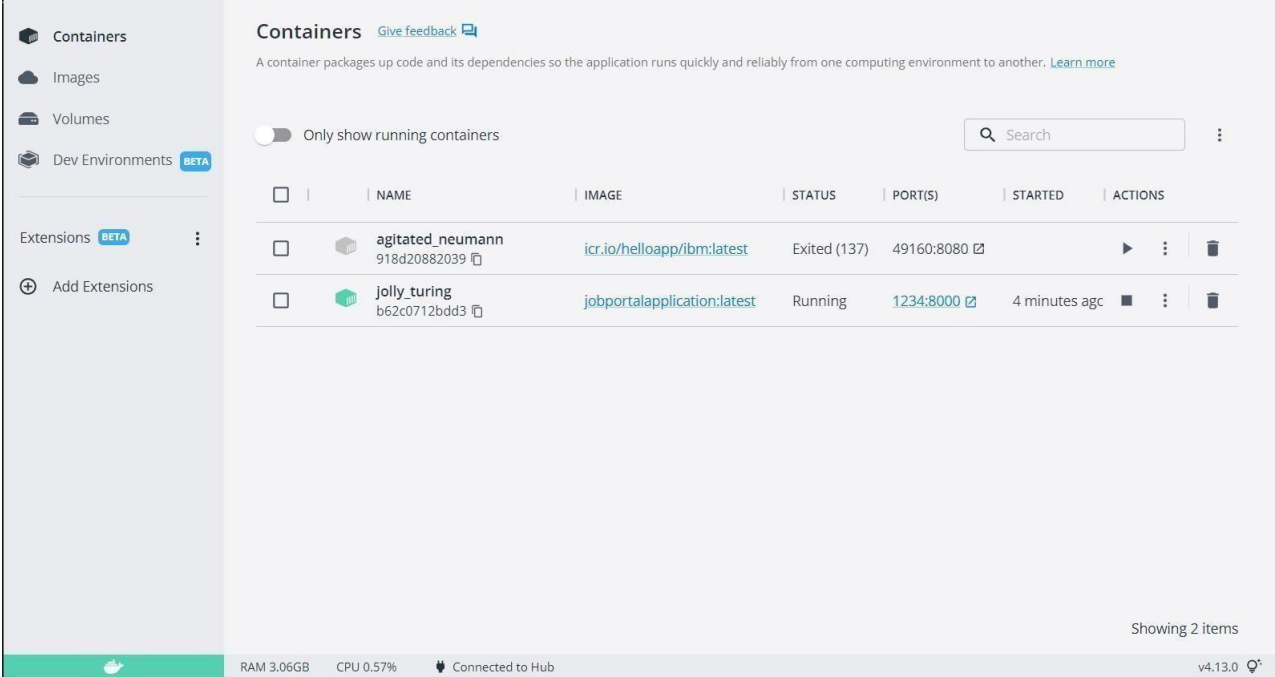Pull an image from docker hub and run it in docker playground.

Question 2:

Create a docker file for the jobportal application and deploy it in
Dockerdesktop 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"]
```

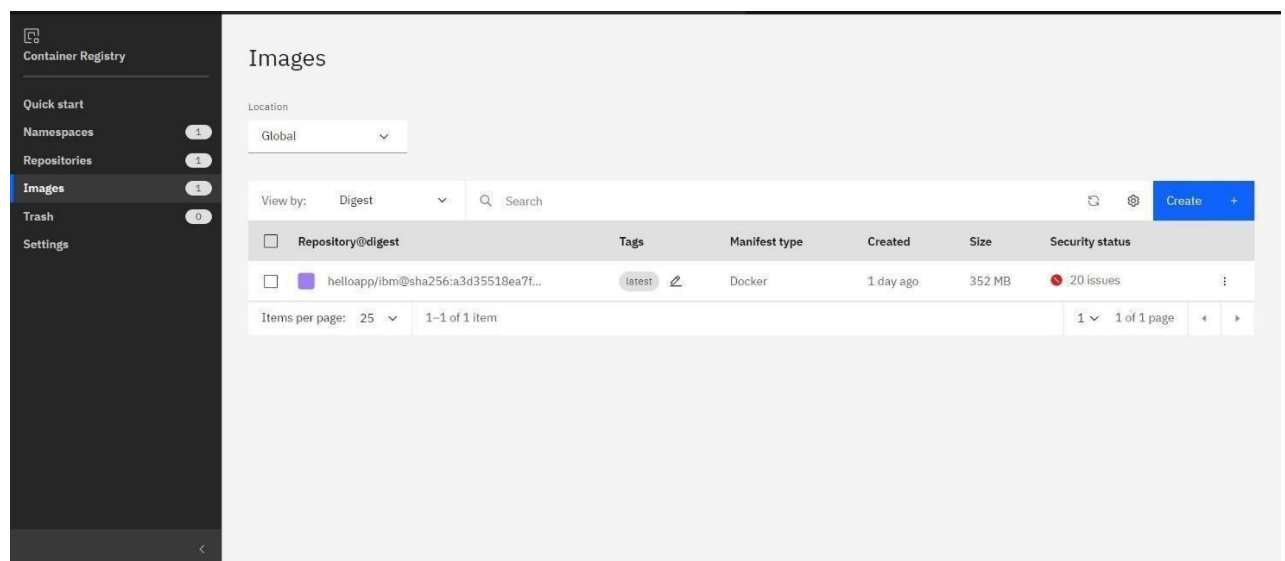# DEPLOYMENT OF JOBPORTAL APPLICATION:

OUTPUT:

Question 3:

Create a IBM container registry and deploy helloworld app

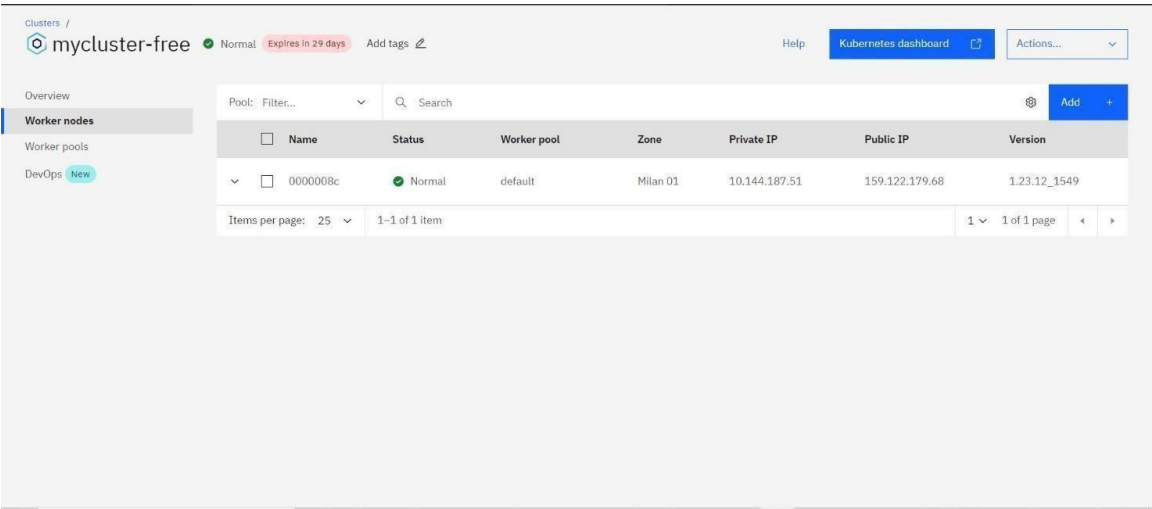or jobportapp.IBM CONTAINER REGISTRY

DEPLOYMENT:

OUTPUT:

Hello World

Question 4:

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

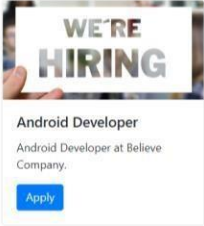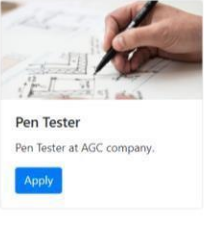CREATING KUBERNETES CLUSTER IN IBM CLOUD AND EXPOSING NODEPORT: