

## Assignment 4

Date	27 October 2022
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Maximum Marks	2 Marks

### Question 1 :

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

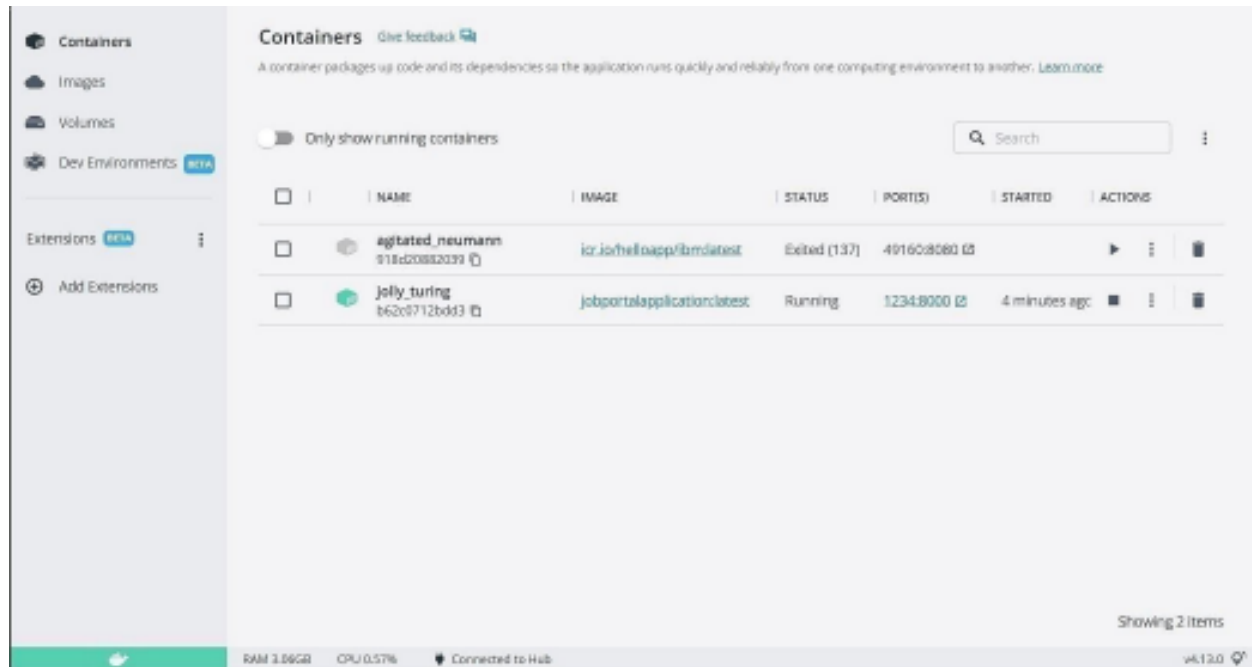
### Question 2 :

Create a docker file for the jobportal application and deploy it in Docker desktop application.

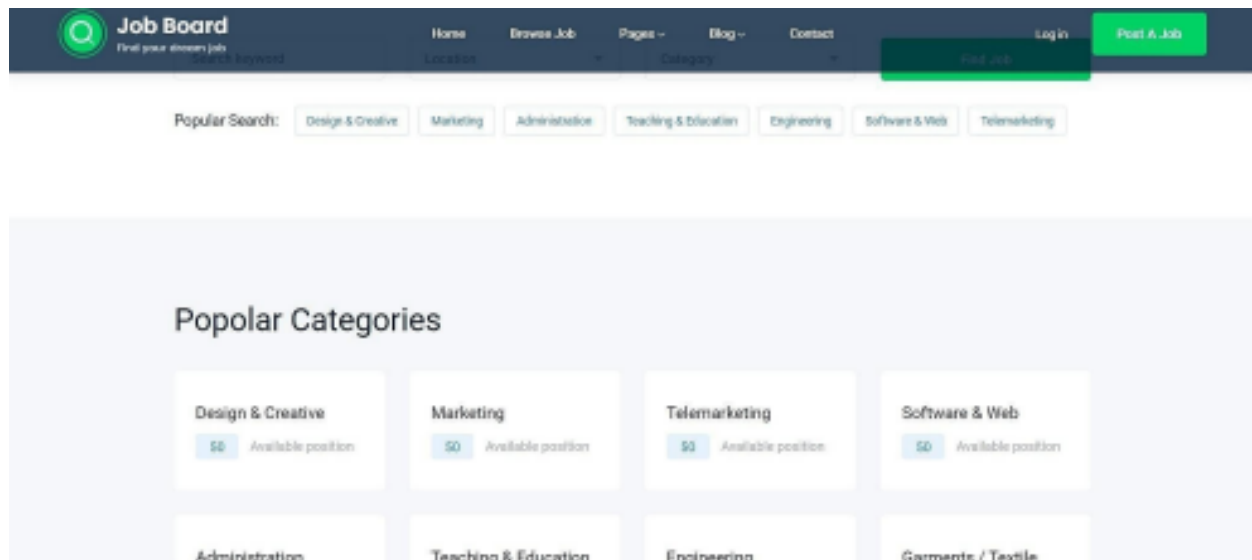
Docker File :

```
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 8080
14
15 RUN chmod +x entrypoint.sh
16
17 CMD ["sh", "entrypoint.sh"]
```

Deployment :



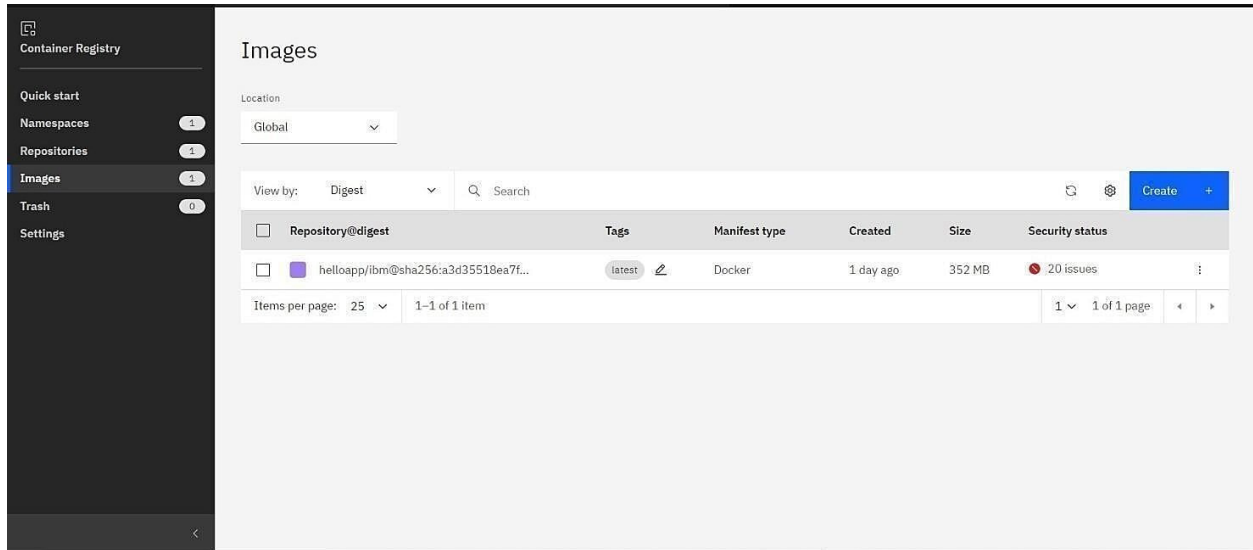
Output :



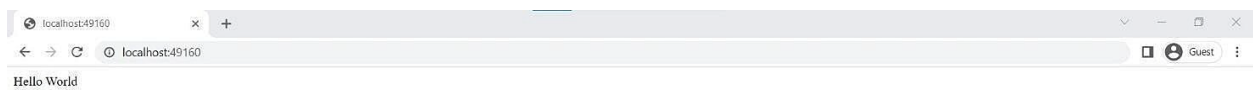
### Question 3 :

Create a IBM container registry and deploy helloworld app or jobportalapp.

Container Registry Deployment :

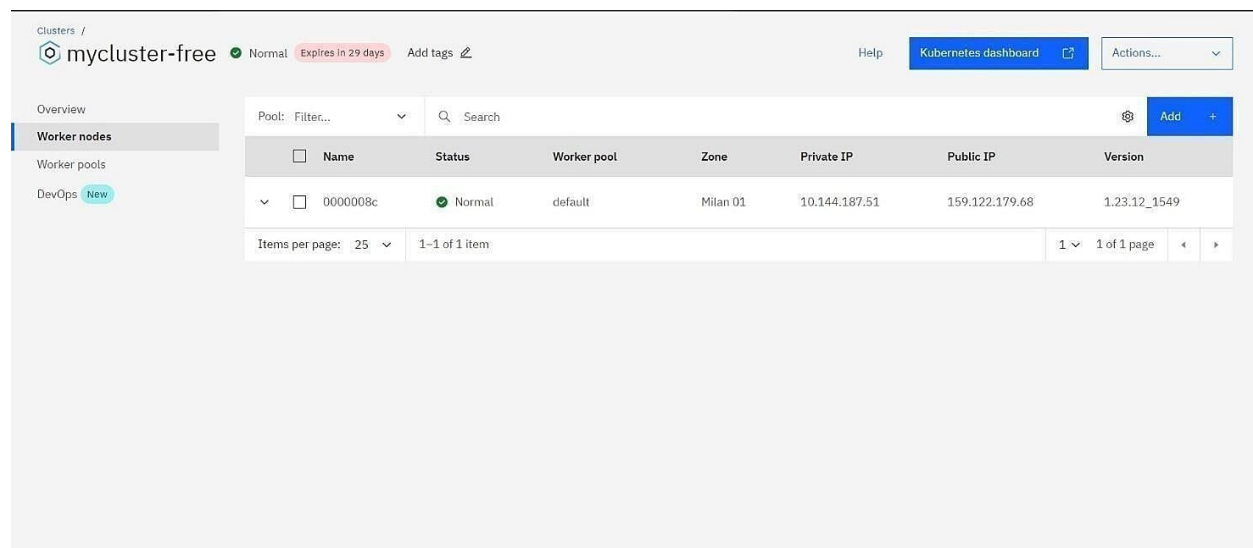


Output :



## 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 node port:



## Output:

