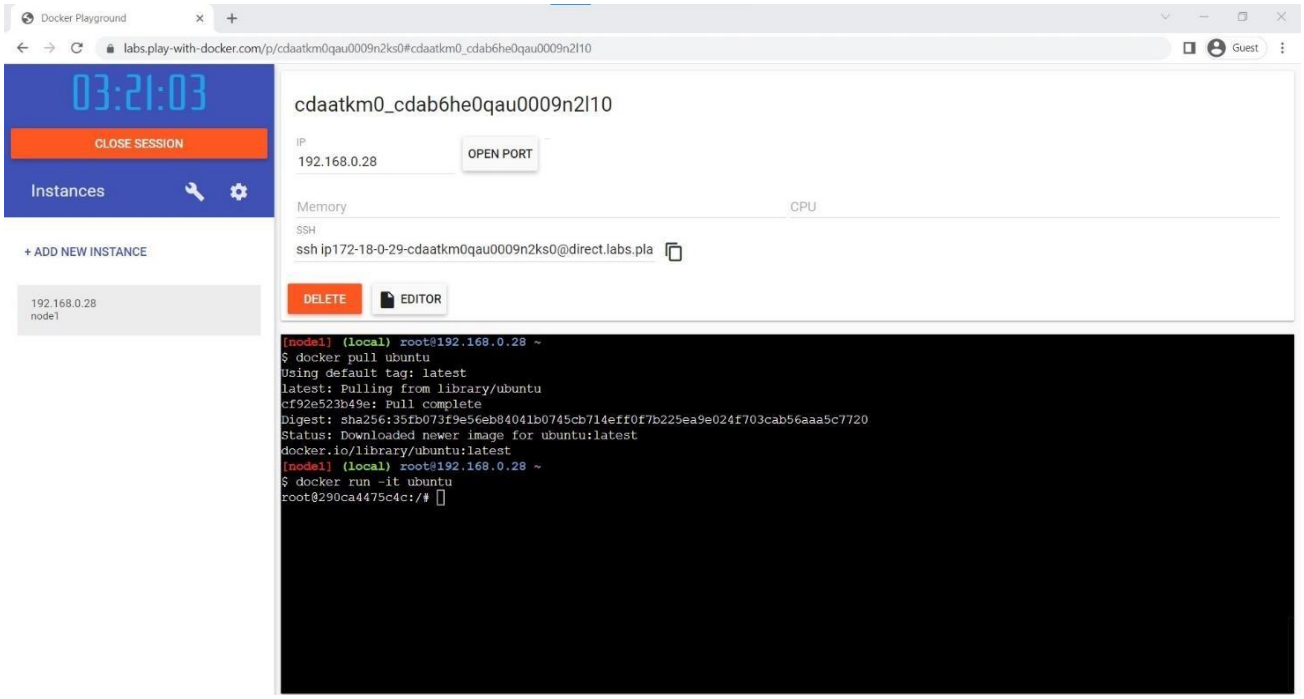
Assignment - 4

Assignment Date	24 October 2022
Student Name	Nithya Shree V
Student Roll Number	111719205030
Maximum Marks	2 Marks

Question 1:

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



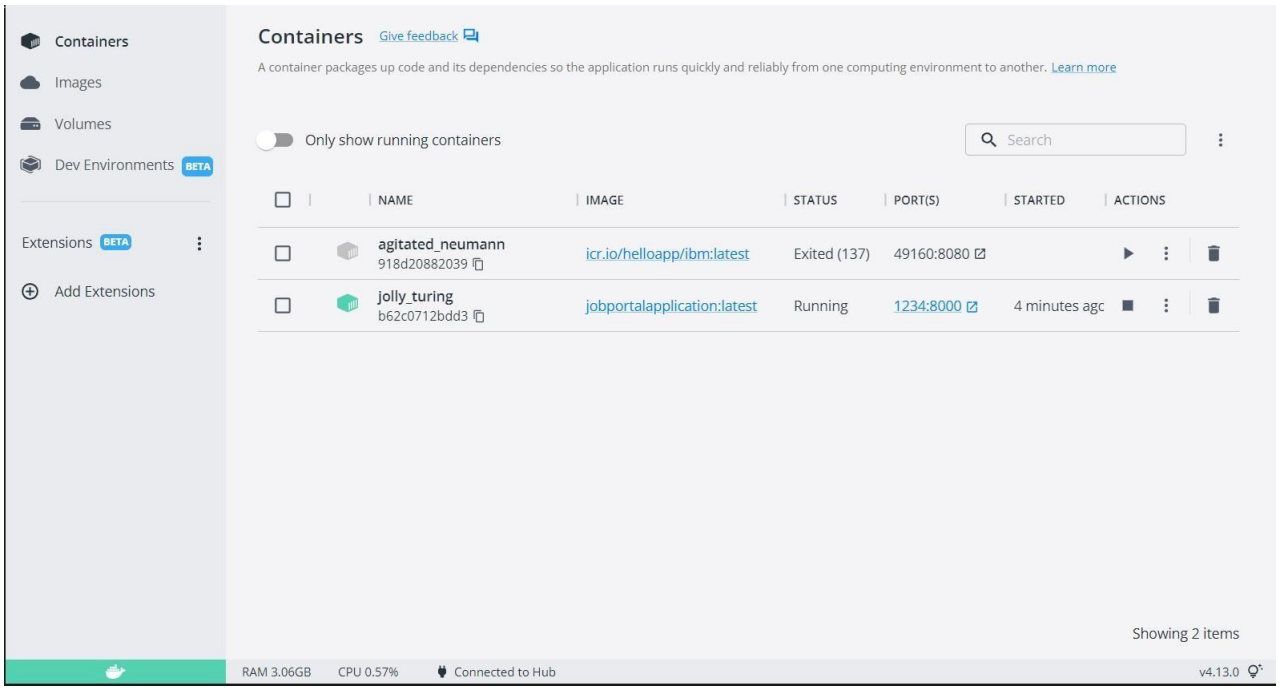
Question 2:

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

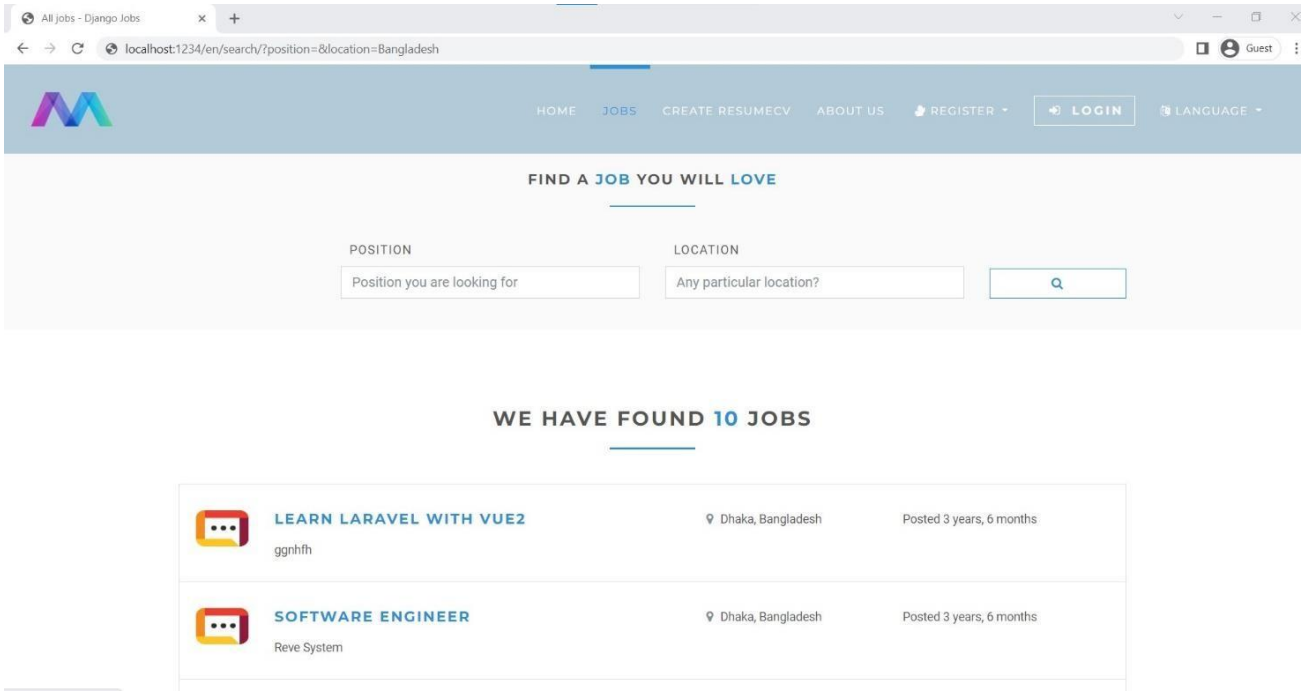
DOCKERFILE:

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

RUN cp .env.dev.sample .env

EXPOSE 8000

RUN chmod +x entrypoint.sh

CMD ["sh", "entrypoint.sh"]
```

DEPLOYMENT OF JOBPORTAL APPLICATION:



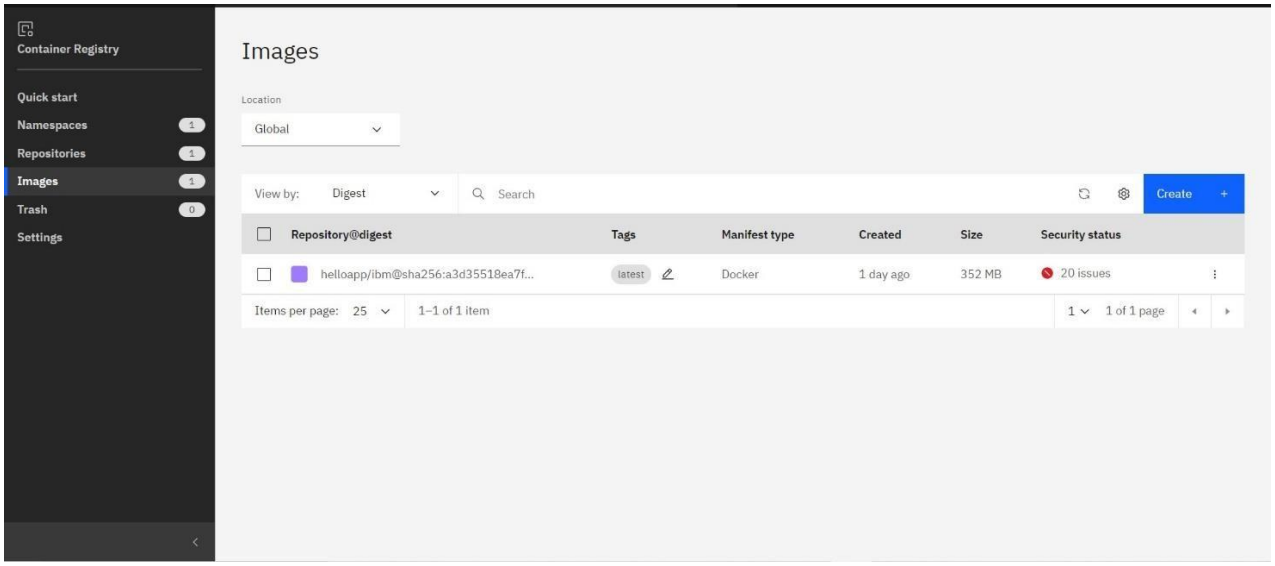
OUTPUT:



Question 3:

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

IBM CONTAINER REGISTRY DEPLOYMENT:

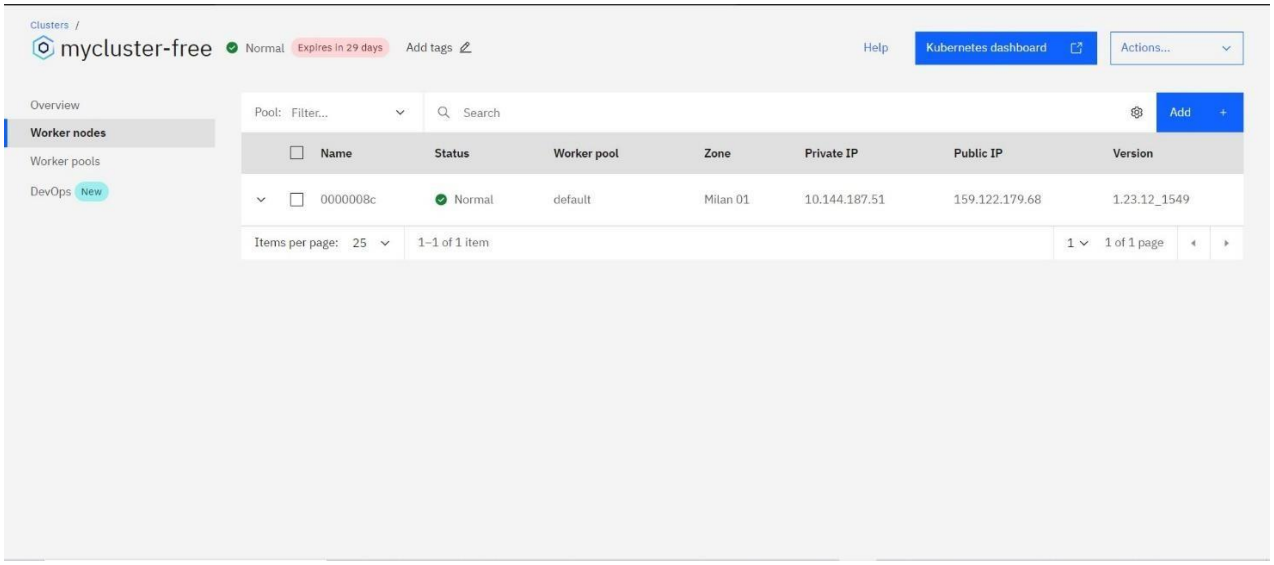


OUTPUT:

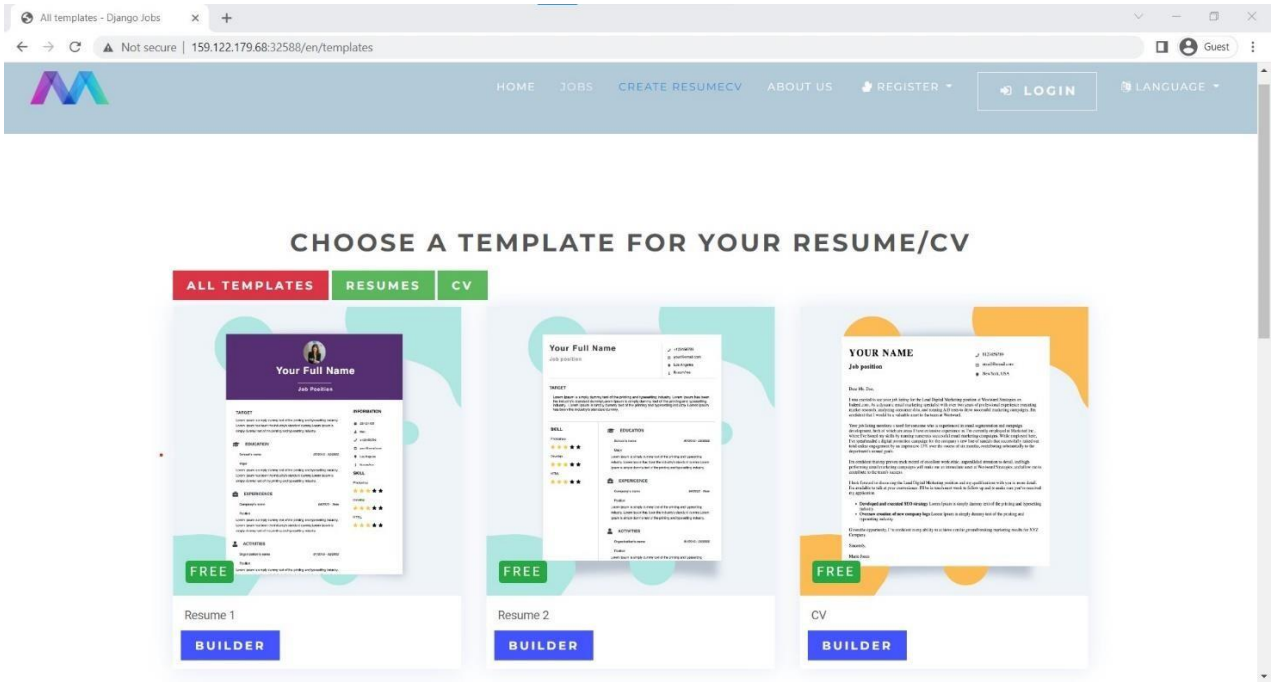
Question 4:

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:


All templates - Django Jobs
Not secure | 159.122.179.68:32588/en/templates
Guest
HOME
JOBS
CREATE RESUMECV
ABOUT US
REGISTER
LOGIN
LANGUAGE
CHOOSE A TEMPLATE FOR YOUR RESUME/CV
ALL TEMPLATES
RESUMES
CV
Your Full Name
Job Position
FREE
Resume 1
BUILDER
Your Full Name
FREE
Resume 2
BUILDER
YOUR NAME
Job position
FREE
CV
BUILDER