Assignment - 4

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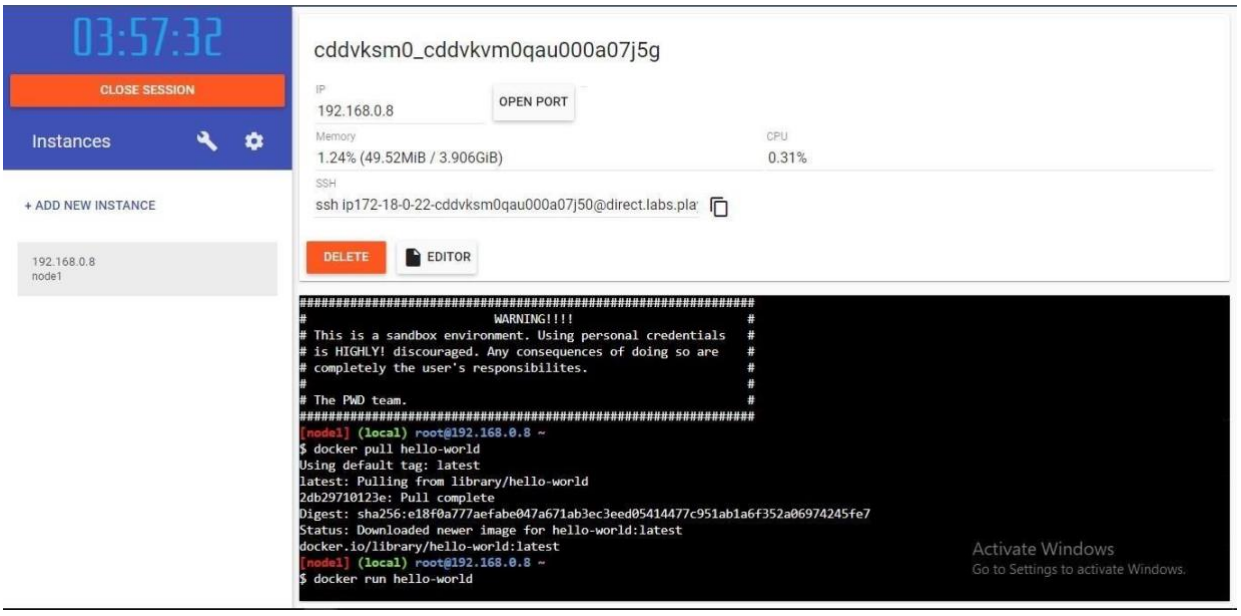
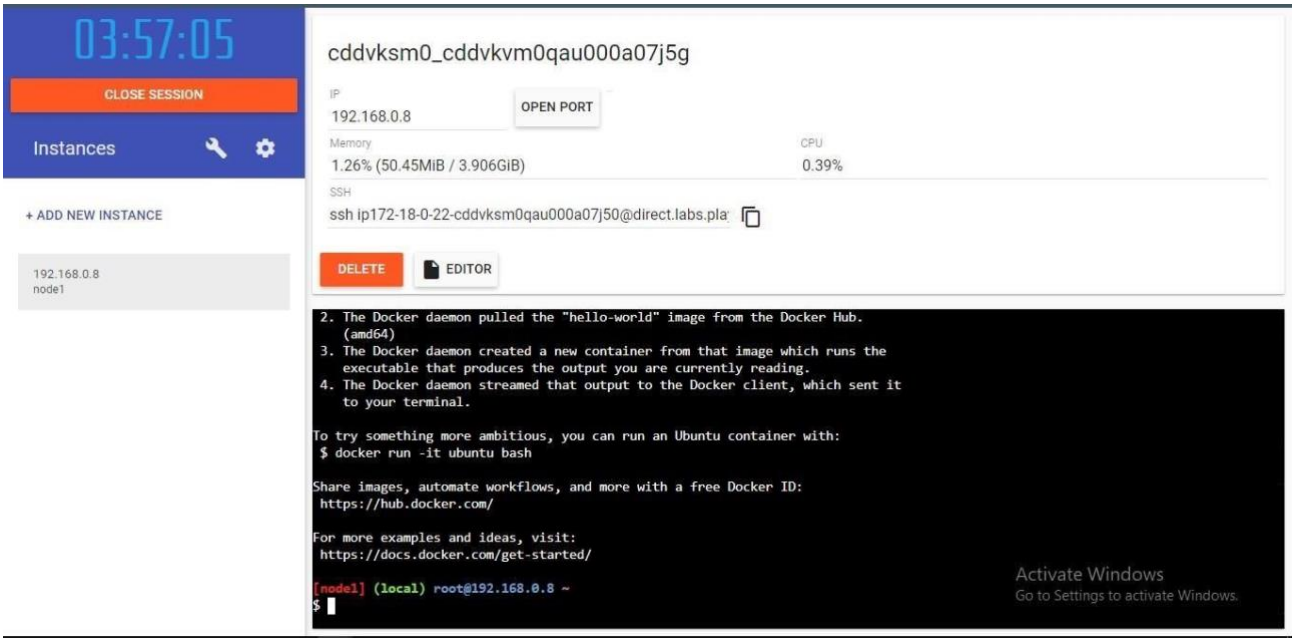
Question 1:

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



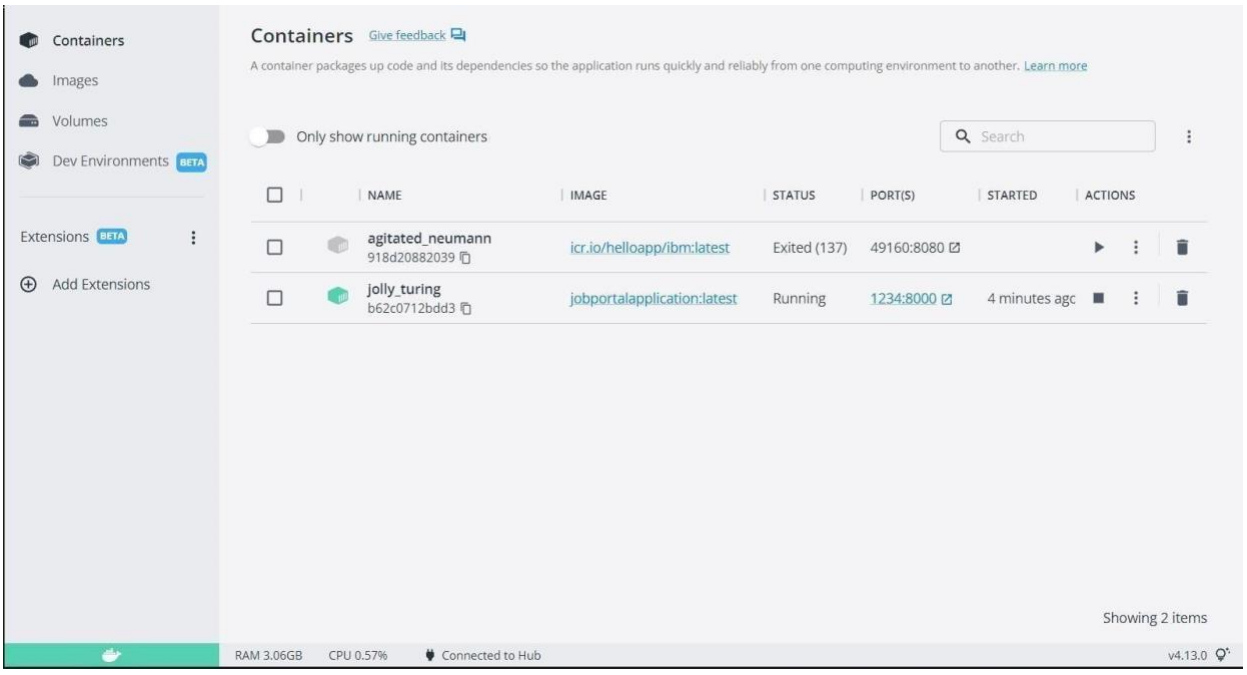


Question 2:

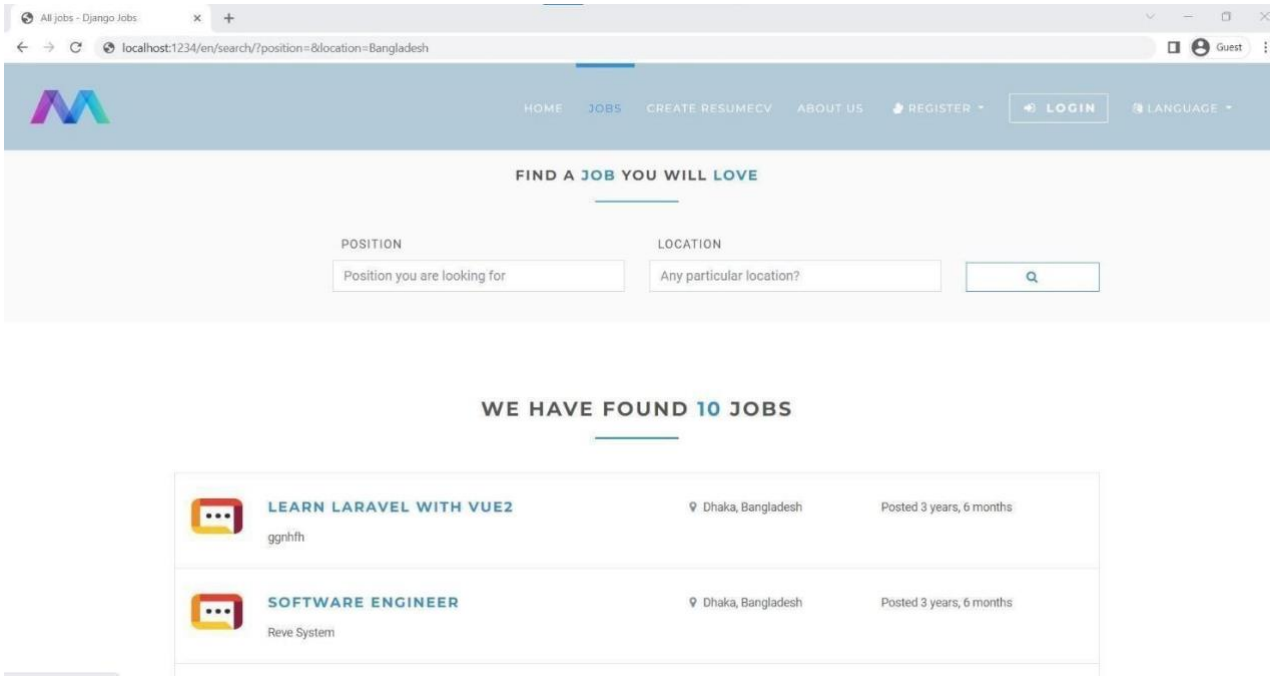
Create a docker file for the job portal application and deploy it in Docker desktop application.

```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:



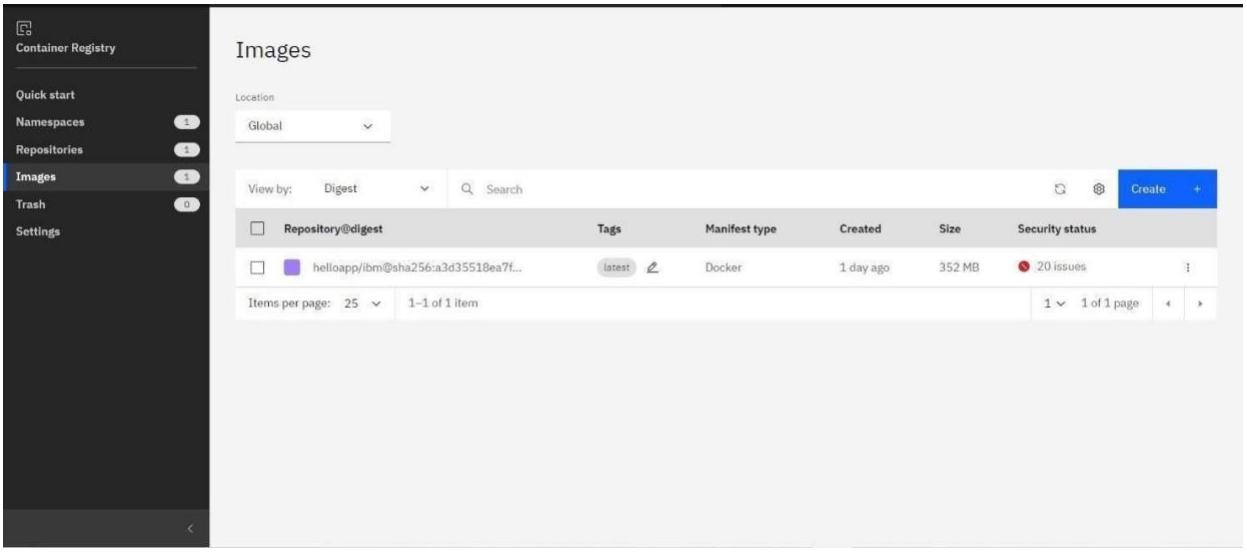
OUTPUT:


All jobs - Django Jobs
localhost:1234/en/search/?position=&location=Bangladesh
Guest
HOME
JOBS
CREATE RESUMECV
ABOUT US
REGISTER
LOGIN
LANGUAGE
FIND A JOB YOU WILL LOVE
POSITION
Position you are looking for
LOCATION
Any particular location?
WE HAVE FOUND 10 JOBS
LEARN LARAVEL WITH VUE2
ggnhfh
Dhaka, Bangladesh
Posted 3 years, 6 months
SOFTWARE ENGINEER
Reve System
Dhaka, Bangladesh
Posted 3 years, 6 months

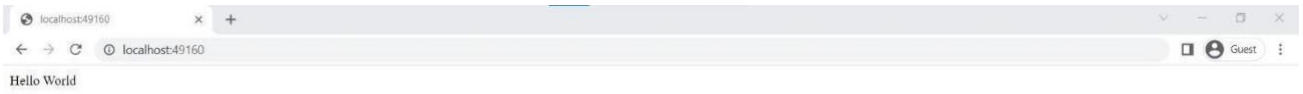
Question 3:

Create a IBM container registry and deploy hello world app or job port app.

IBM CONTAINER REGISTRY DEPLOYMENT:



OUTPUT:

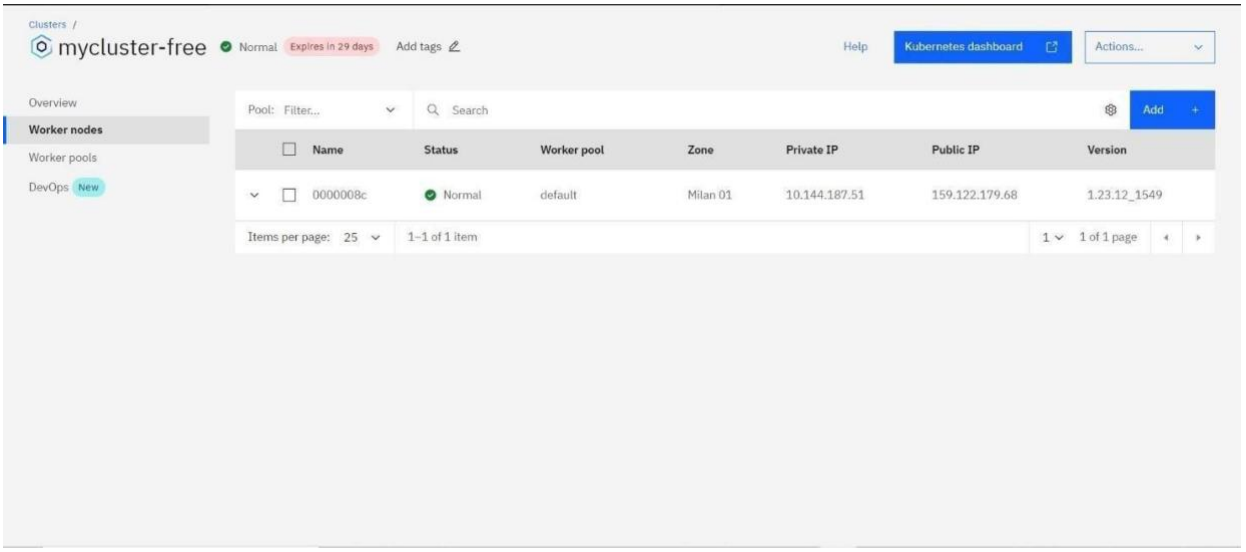


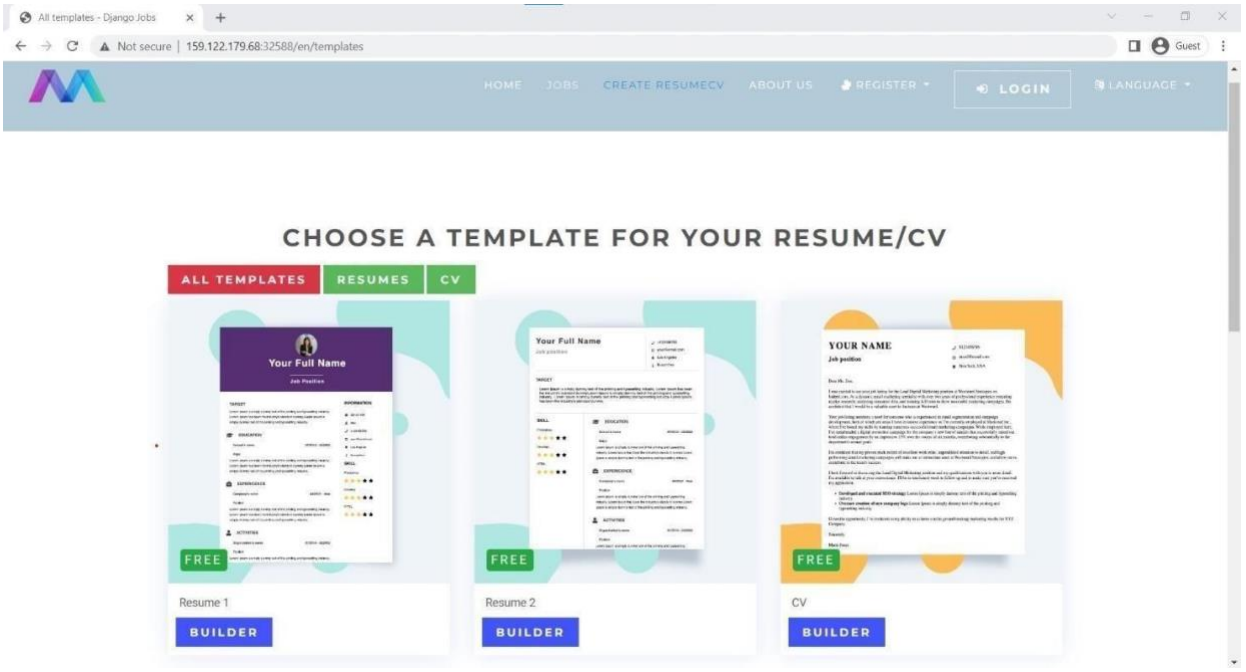
Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal imageand 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
FREE
Resume 1
BUILDER
Your Full Name
FREE
Resume 2
BUILDER
YOUR NAME
Job position
FREE
CV
BUILDER