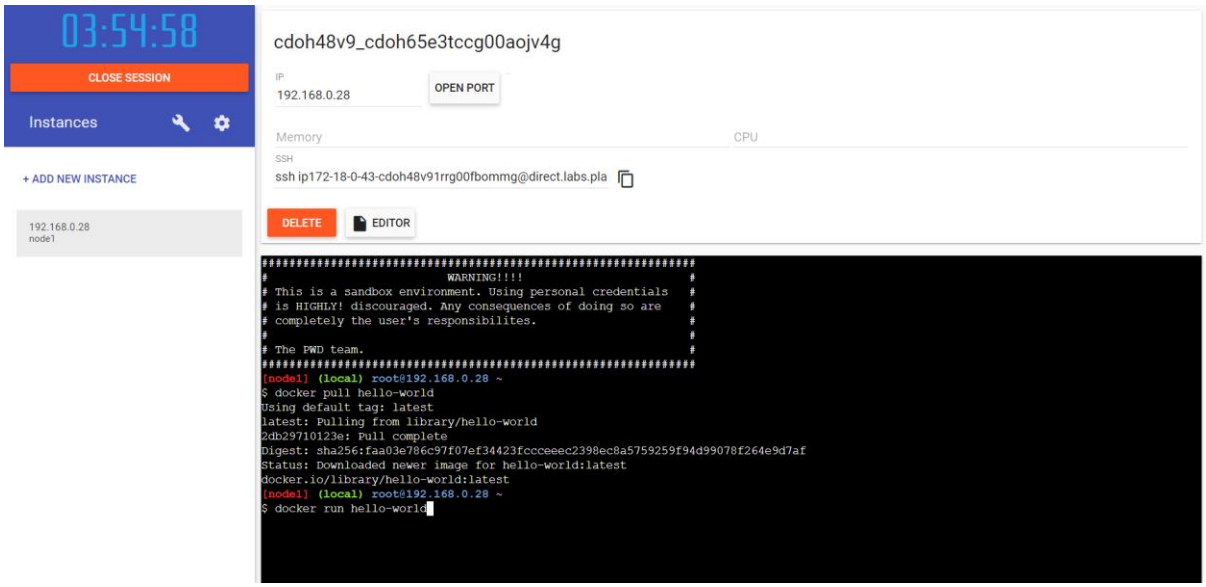
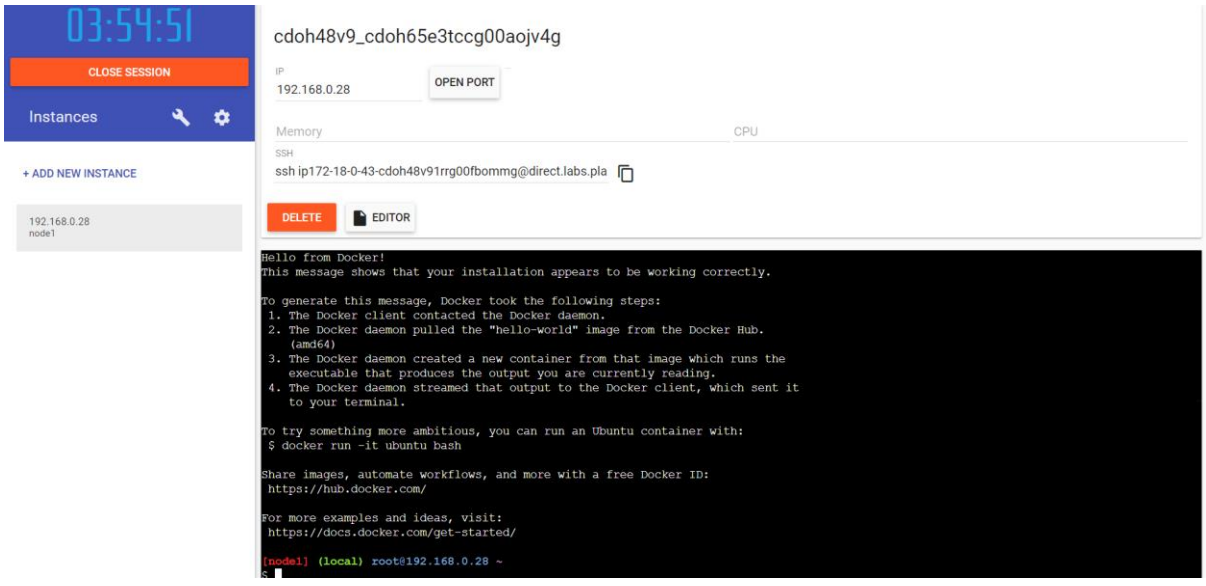
Question-1:

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





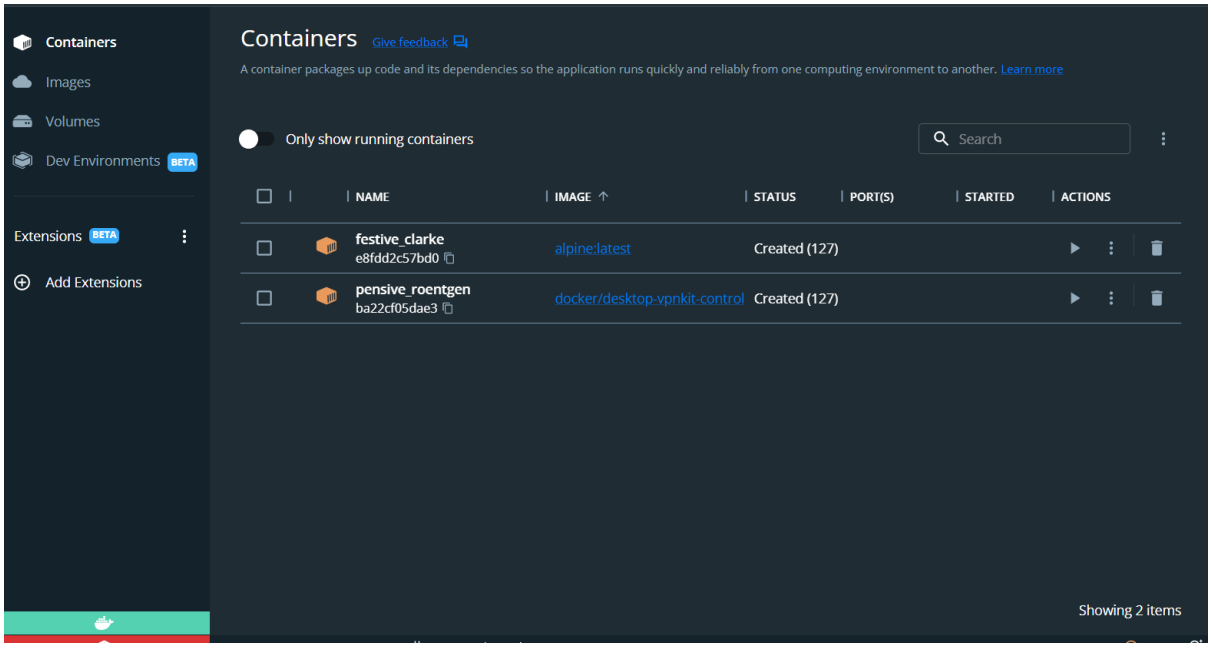
Question-2:

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

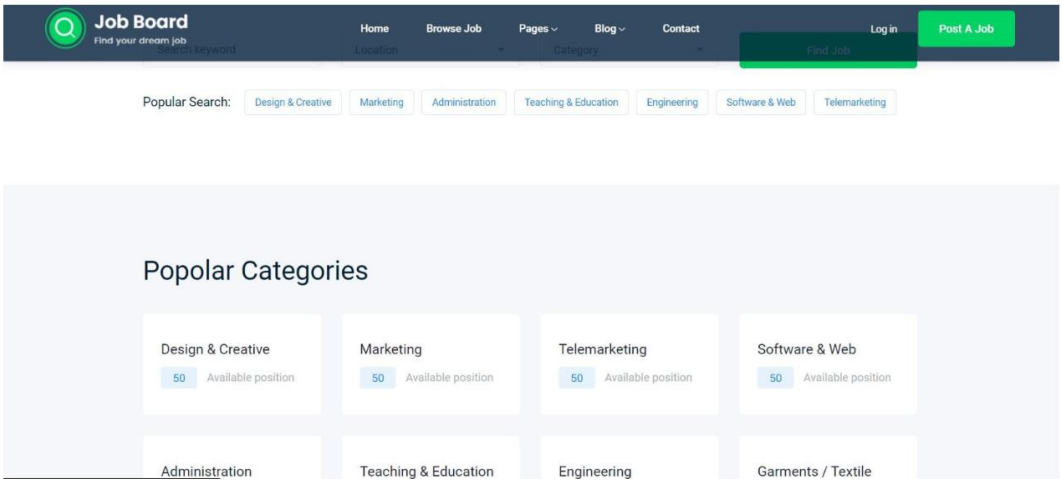
Dockerfile

```
# For more information, please refer to https://aka.ms/vscode-docker-python
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 ["python", "app.py"]
```

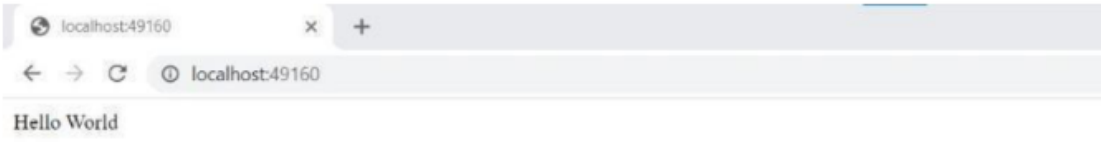


Output:



3.Create an IBM container registry and deploy hello world app 0r job portal app. IBM.

Output:



4. create a Kubernertes cluster in IBM cloud and deploy the hello world image or job portal image and also expose the same app to run in node part.