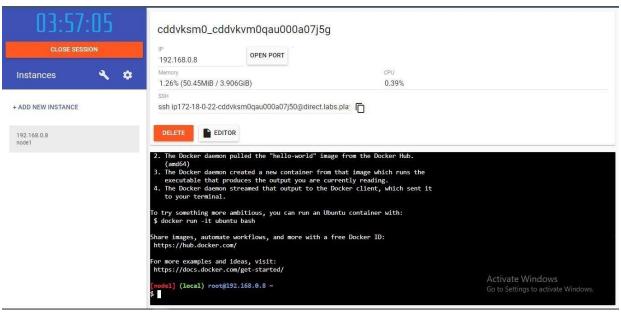
Assignment - 4

Assignment Date	05 November 2022
Student Name	Nitish S, Akash E, Gokulnath G, Ragavan R
IBM ID	PNT2022TMID45221

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





2. Create a docker fileforthejob portalapplication and deploy it in Dockerdesktop application.

```
FROM python: 3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY ./app/

RUN cop. env.dev.sample .env

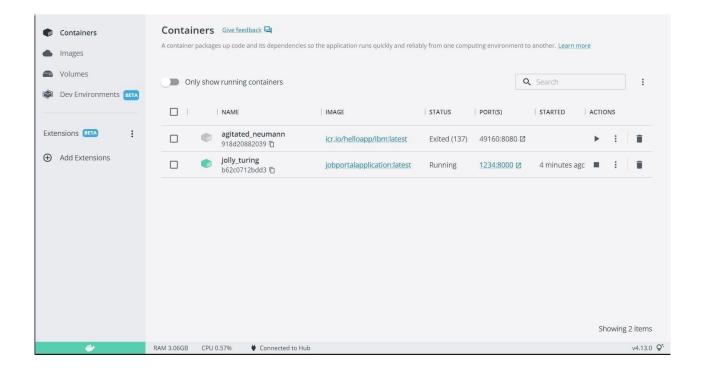
EXPOSE 8000

RUN chmod +x entrypoint.sh

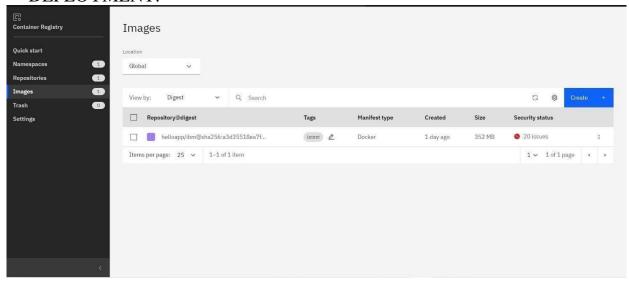
CMD ["sh", "entrypoint.sh"]
```

DOCKERFILE

DEPLOYMENT OF JOBPORTAL APPLICATION:



3. Create a IBM container registry and deploy helloworld app. IBM CONTAINER REGISTRY DEPLOYMENT:



OUTPUT:



4. CreateaKubernetesclusterinIBMcloudanddeployhelloworldimageorjobportalimage and also expose the same app to run in nodeport.

Creating kubernetes cluster in IBM cloud and exposing nodeport:

