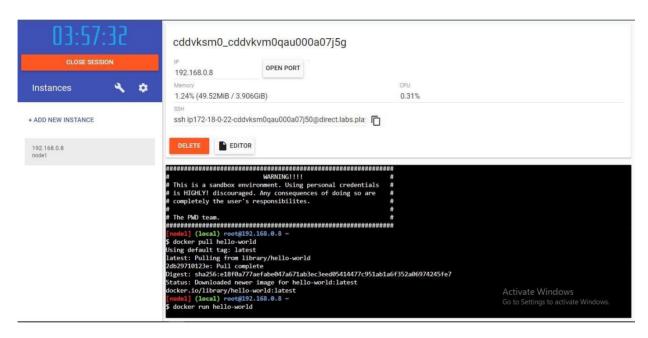
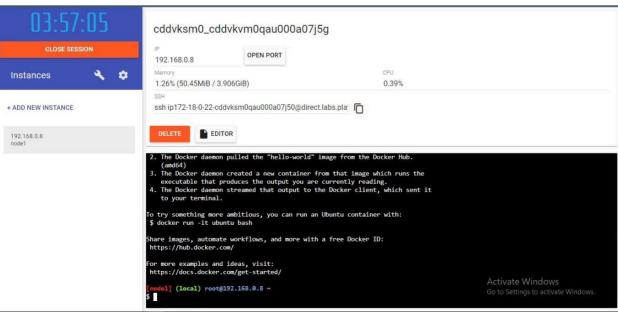
Assignment - 4

| Assignment Date | 05 November 2022 |
|-----------------|---|
| LANDOEDI INADDE | YUVARAJ N,ABU RIJAS, MOHAMMED UNISH,SYED APSAR |
| IBM ID | PNT2022TMID45253 |

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





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

```
TROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

RUN cp .env.dev.sample .env

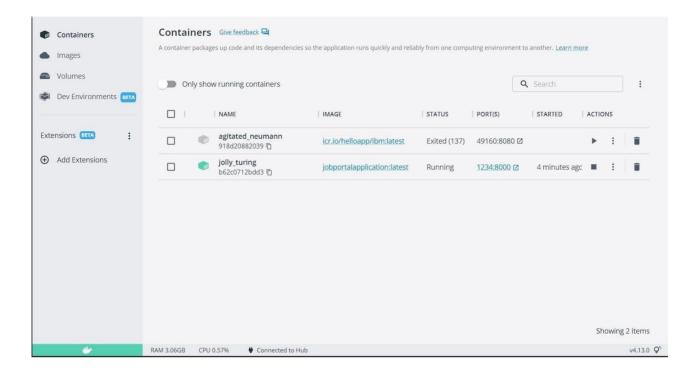
EXPOSE 8808

RUN chmod +x entrypoint.sh

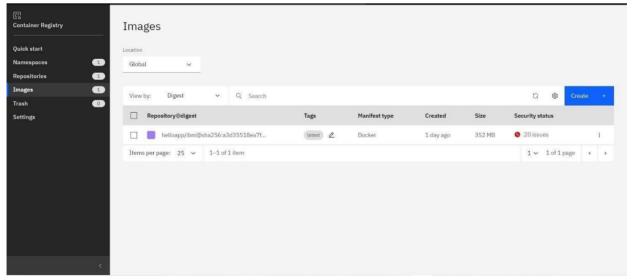
CMD ["sh", "entrypoint.sh"]
```

DOCKERFILE

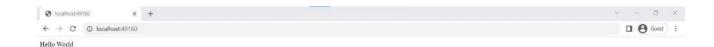
DEPLOYMENT OF JOBPORTAL APPLICATION:



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:

