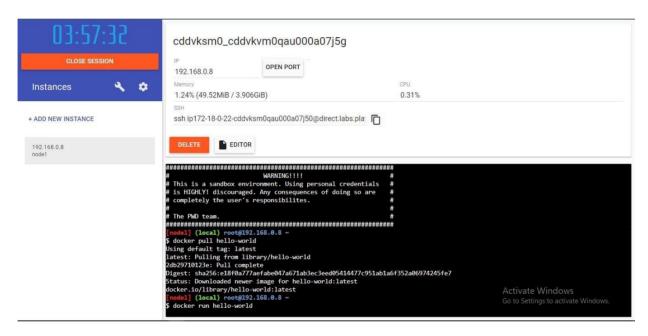
Assignment - 4

Assignment Date	07 November 2022
Student Name	Manikandan P
IBM ID	PNT2022TMID19873

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

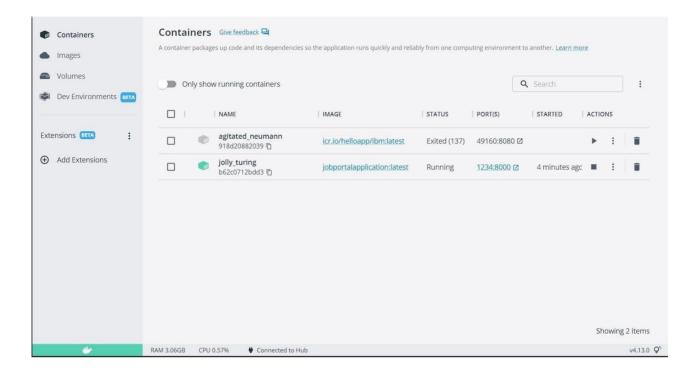
EXPOSE 8808

RUN chmod +x entrypoint.sh

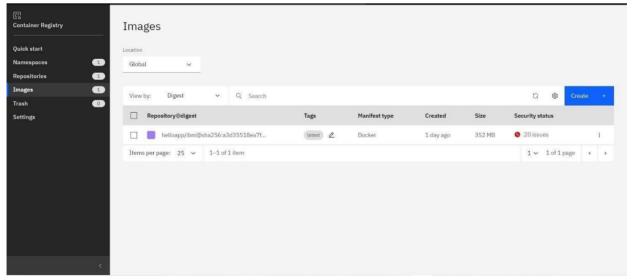
CMD ["sh", "entrypoint.sh"]
```

DOCKERFILE

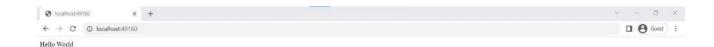
DEPLOYMENT OF JOBPORTAL APPLICATION:



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:

