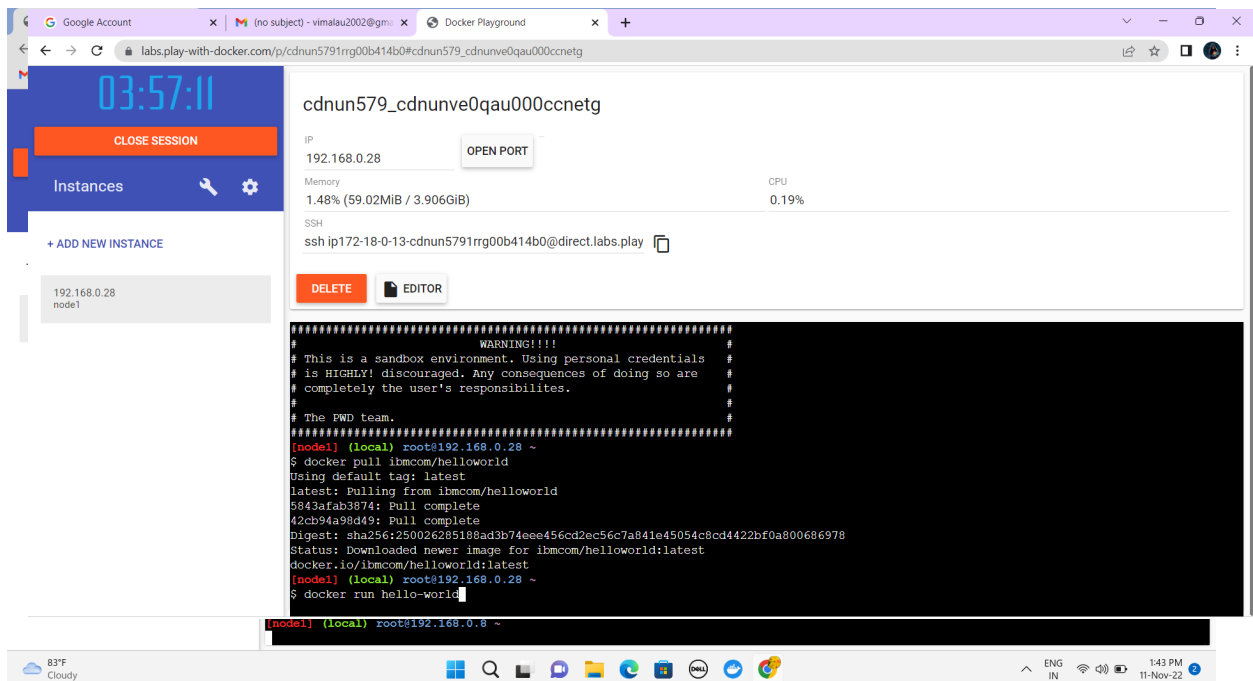


ASSIGNMENT 4

TEAM ID	PNT2022TMID07477
PROJECT NAME	NUTRITION ASSISTANT APPLICATION
TEAM LEADER	PALAGIRI SANA
TEAM MEMBERS	VUSTHILI VIMALA M.S NANDHINI S.VIDARSHANA

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



The screenshot shows the Docker Playground interface. On the left, there's a sidebar with a clock showing 03:56:46, a 'CLOSE SESSION' button, and a list of instances including '192.168.0.28 node1'. The main area displays details for the container 'cdnun579_cdnunve0qau000ccnetg', including its IP (192.168.0.28), memory usage (1.59%), CPU usage (0.42%), and an SSH command. Below this, there's a terminal window showing the output of a 'docker run' command for the 'hello-world' image, which displays a 'Hello from Docker!' message and explains the steps taken to run the container.

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

```

1 FROM python:3.8-buster
2
3 WORKDIR /app
4
5 COPY requirements.txt /app/
6
7 RUN pip install -r requirements.txt
8
9 COPY . /app/
10
11 RUN cp .env.dev.sample .env
12
13 EXPOSE 8000
14
15 RUN chmod +x entrypoint.sh
16
17 CMD ["sh", "entrypoint.sh"]

```

FROM helloworld:latest

WORKDIR ~/Desktop/

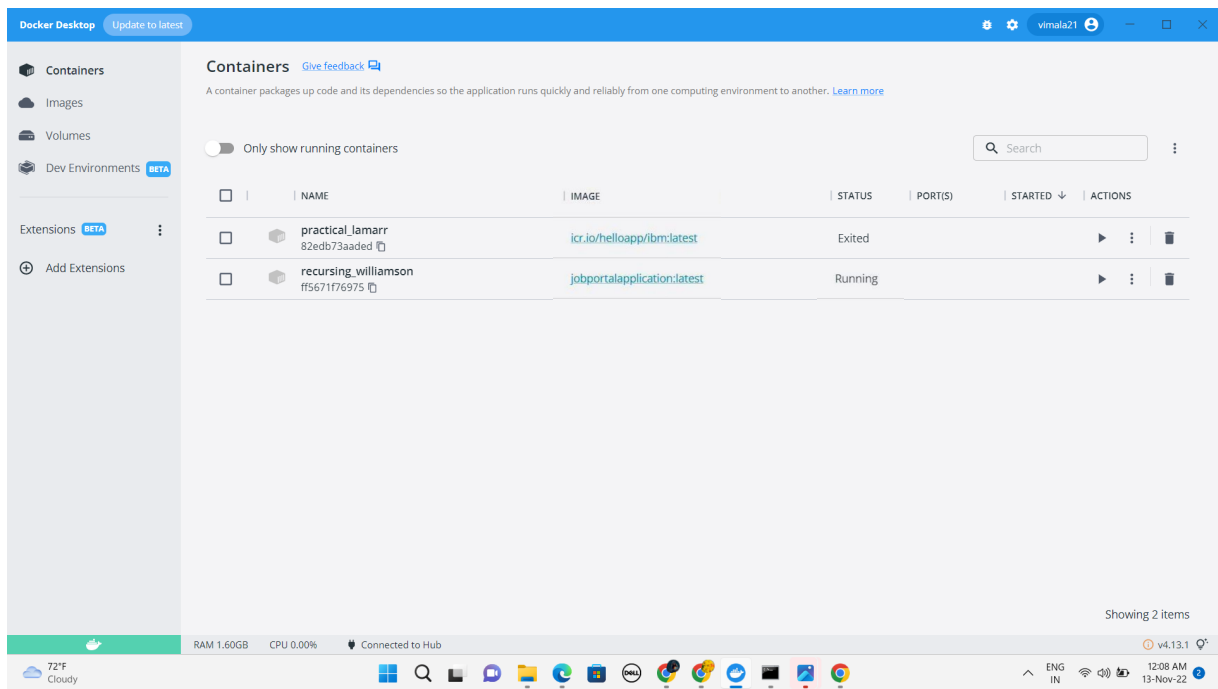
ADD . helloworld/

WORKDIR ~/Desktop/htmlfile

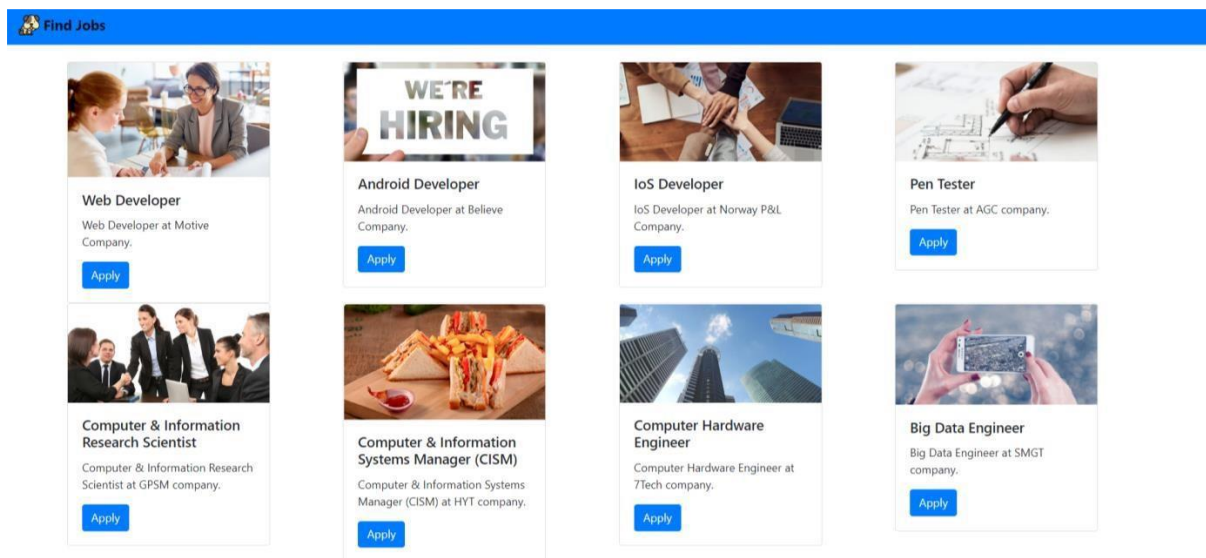
RUN pip install -r requirements

RUN chmod +x app.sh

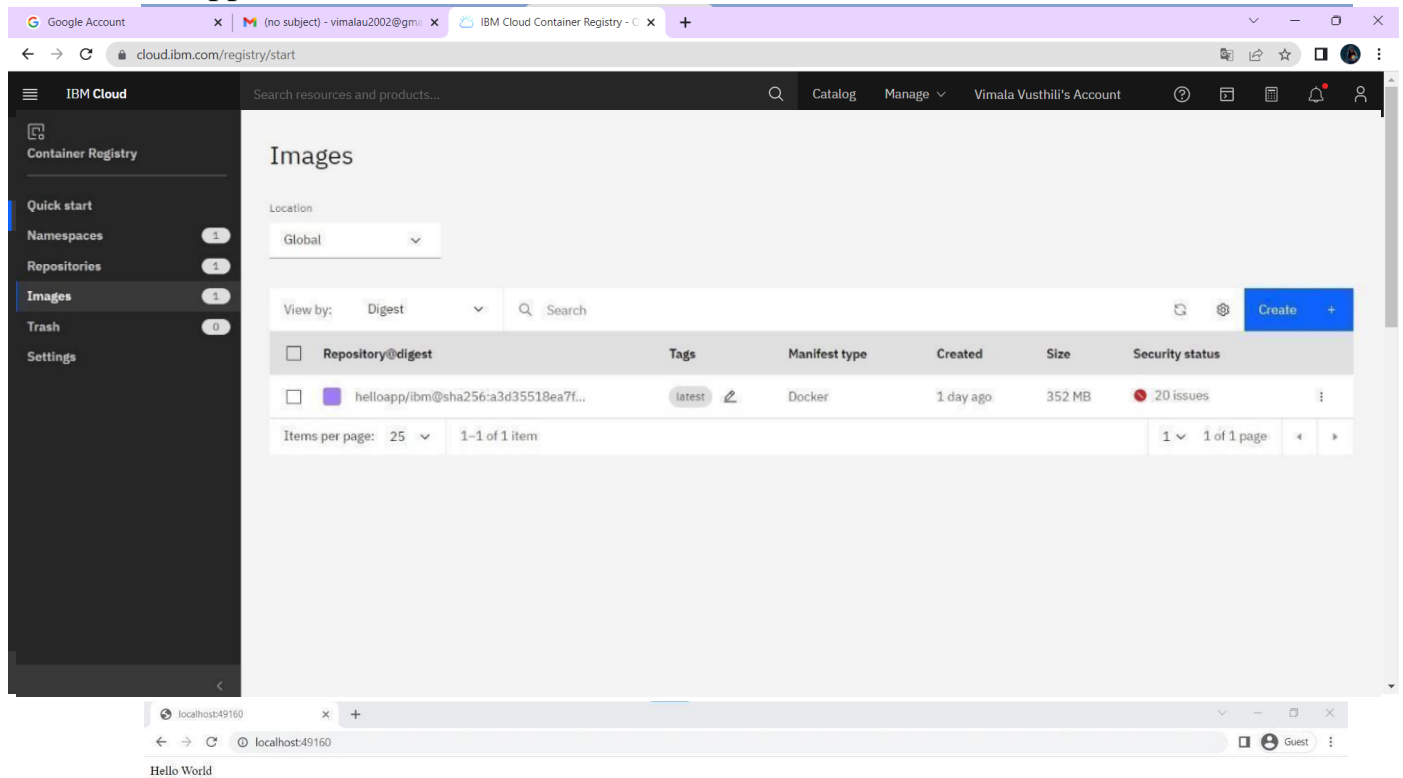
CMD ["/bin/sh", "app.sh"]



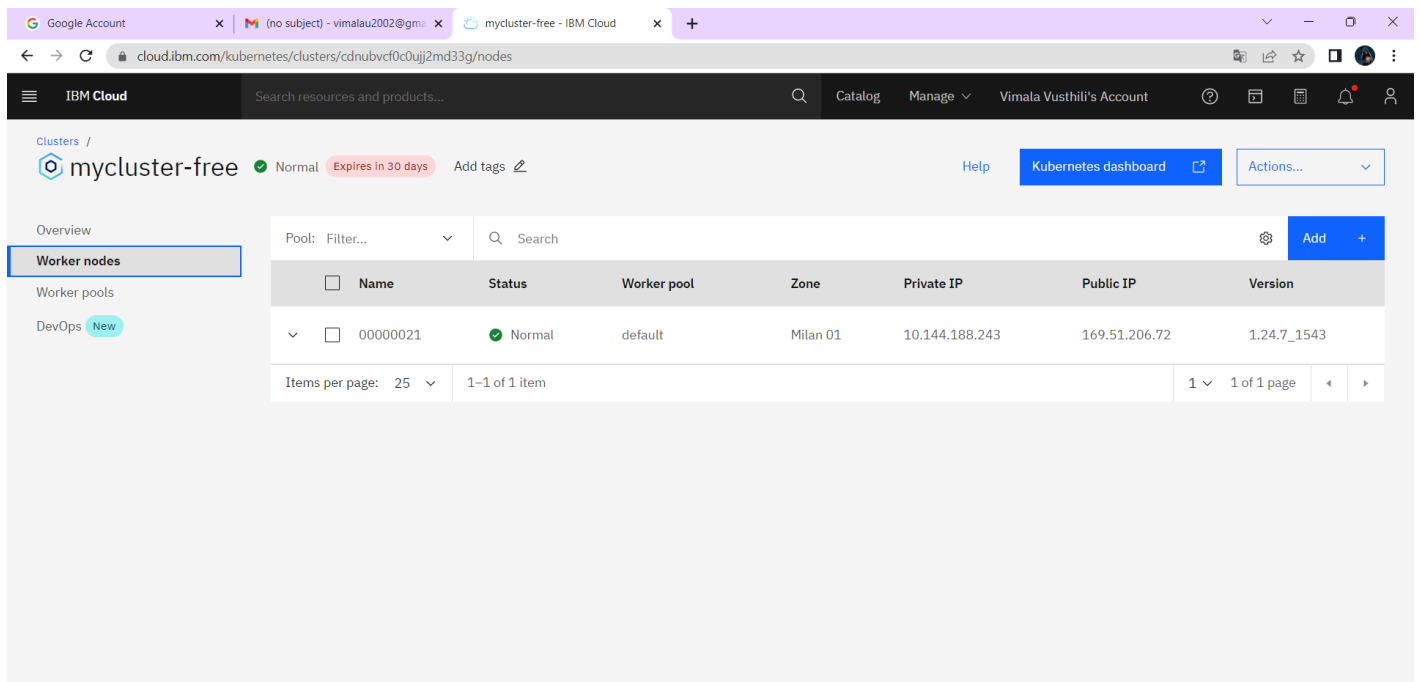
OUTPUT



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



4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.



Google Account | (no subject) - vimalau2002@gmail.com | mycluster-free - IBM Cloud

cloud.ibm.com/kubernetes/clusters/cdnubvcf0c0uij2md33g/pools

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
Clusters / mycluster-free Normal Expires in 30 days Add tags Help Kubernetes dashboard Actions...


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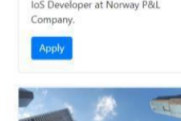
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