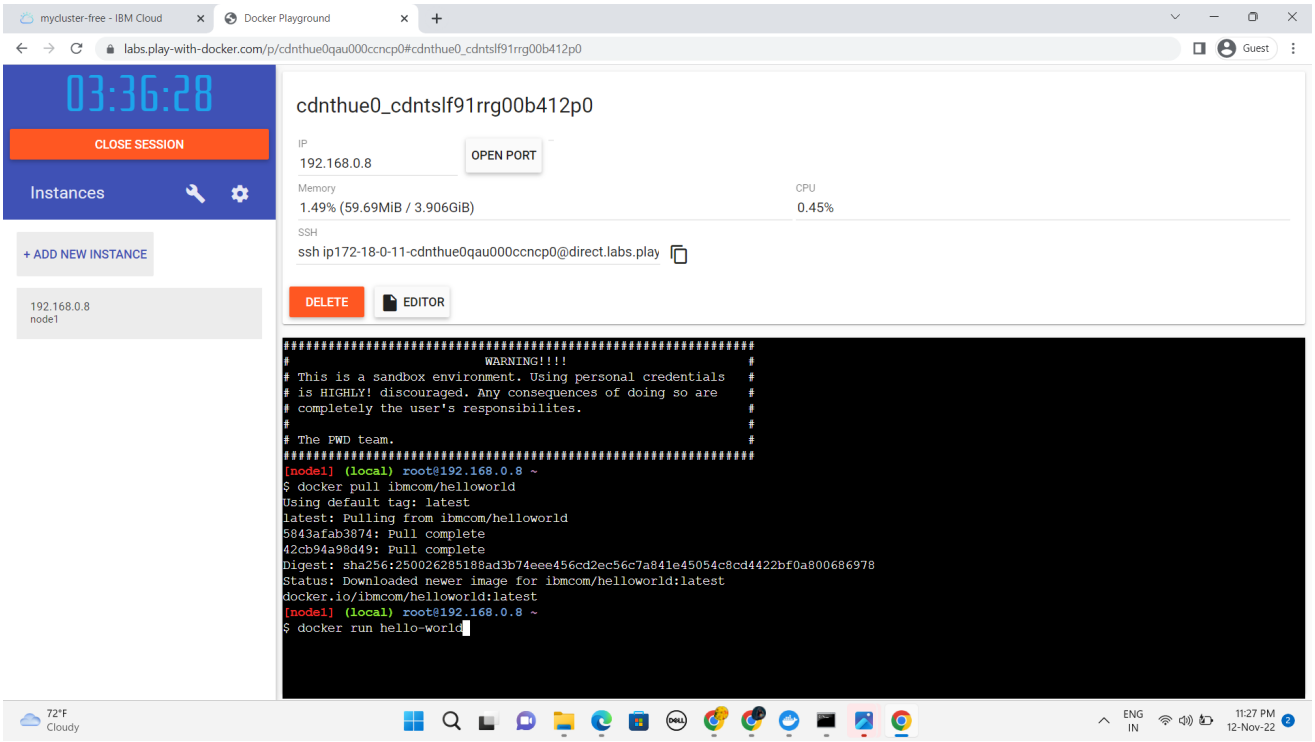
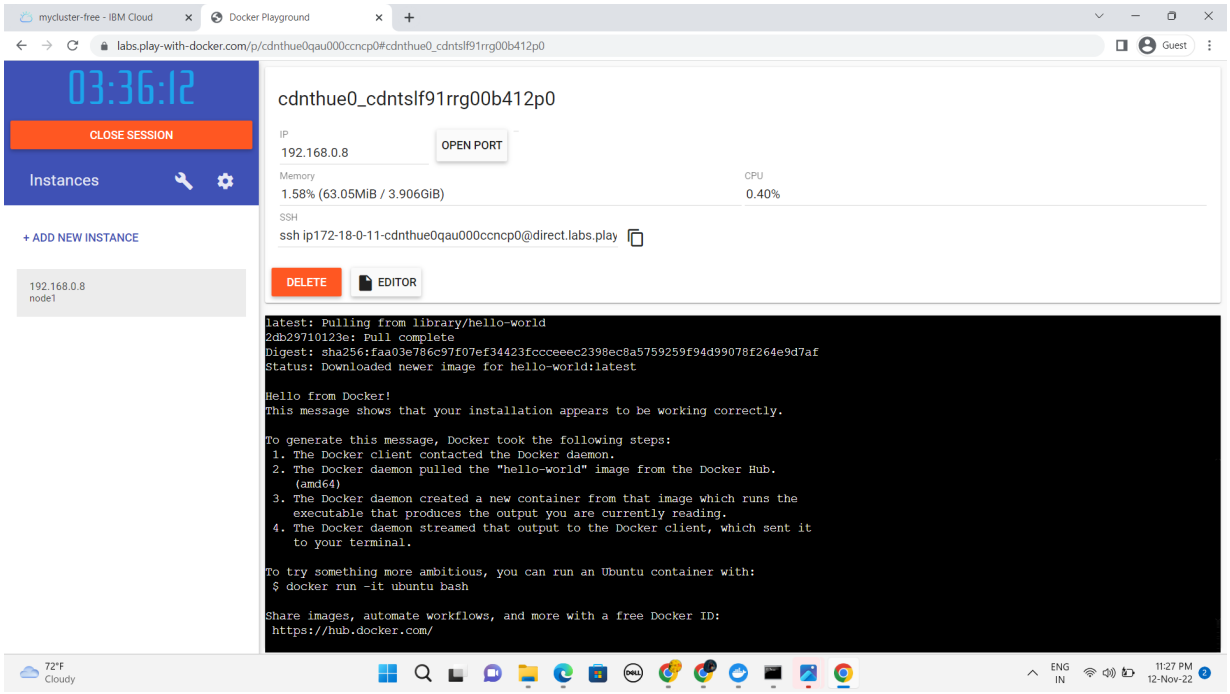
ASSIGNMENT 4

TEAM ID	PNT2022TMID07434
PROJECT NAME	NUTRITION ASSISTANT APPLICATION
TEAM LEADER	BURRU HEMASAI
TEAM MEMBERS	T.Kodanda Ramudu K.ChennaKeshava Reddy S.HariPrakash

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





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

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

FROM helloworld:latest

WORKDIR ~/Desktop/

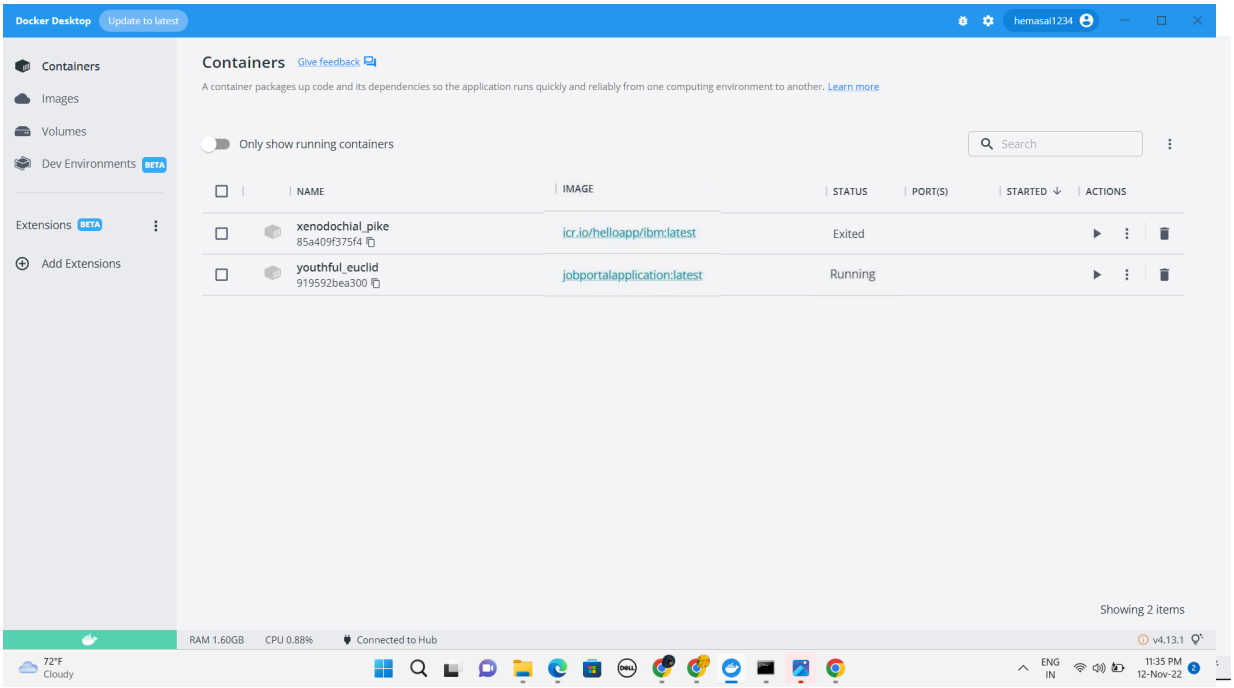
ADD . helloworld/

WORKDIR ~/Desktop/htmlfile

RUN pip install -r requirements

RUN chmod +x app.sh

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


Docker Desktop
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A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more
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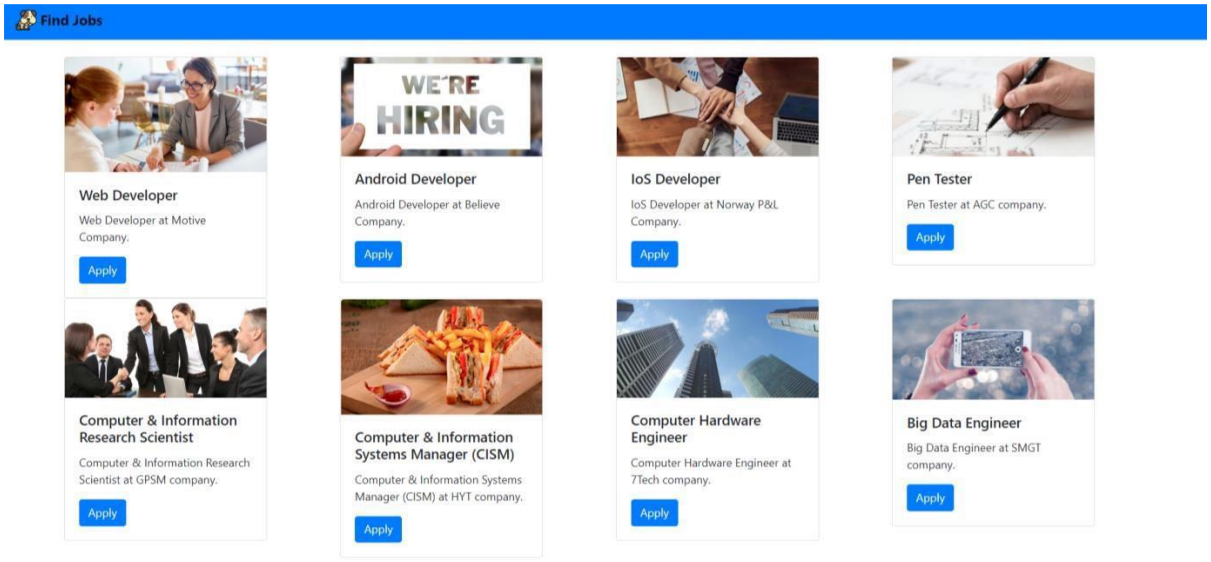
STATUS
PORT(S)
STARTED
ACTIONS
xenodochial_pike
85a409f375f4
icr.io/helloapp/ibm:latest
Exited
youthful_euclid
919592bea300
jobportalapplication:latest
Running
Showing 2 items
RAM 1.60GB
CPU 0.88%
Connected to Hub
v4.13.1
72°F
Cloudy
ENG
IN
11:35 PM
12-Nov-22

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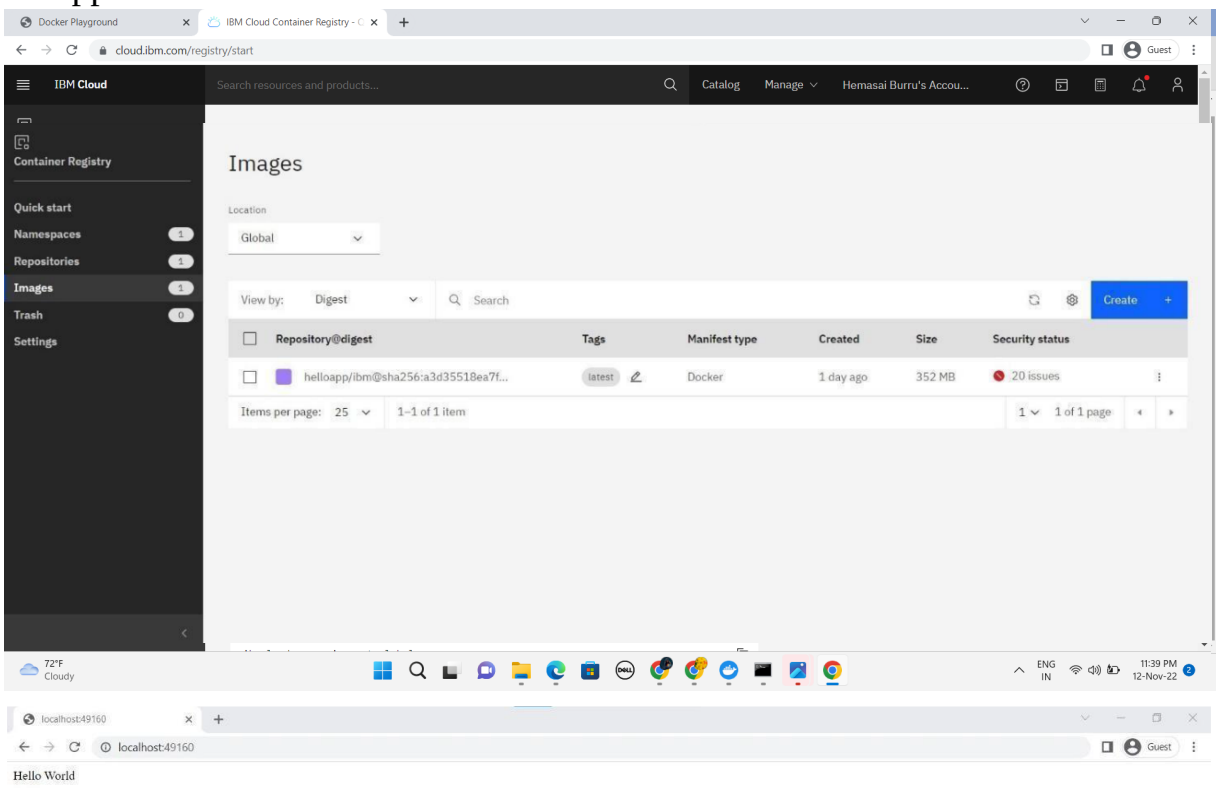
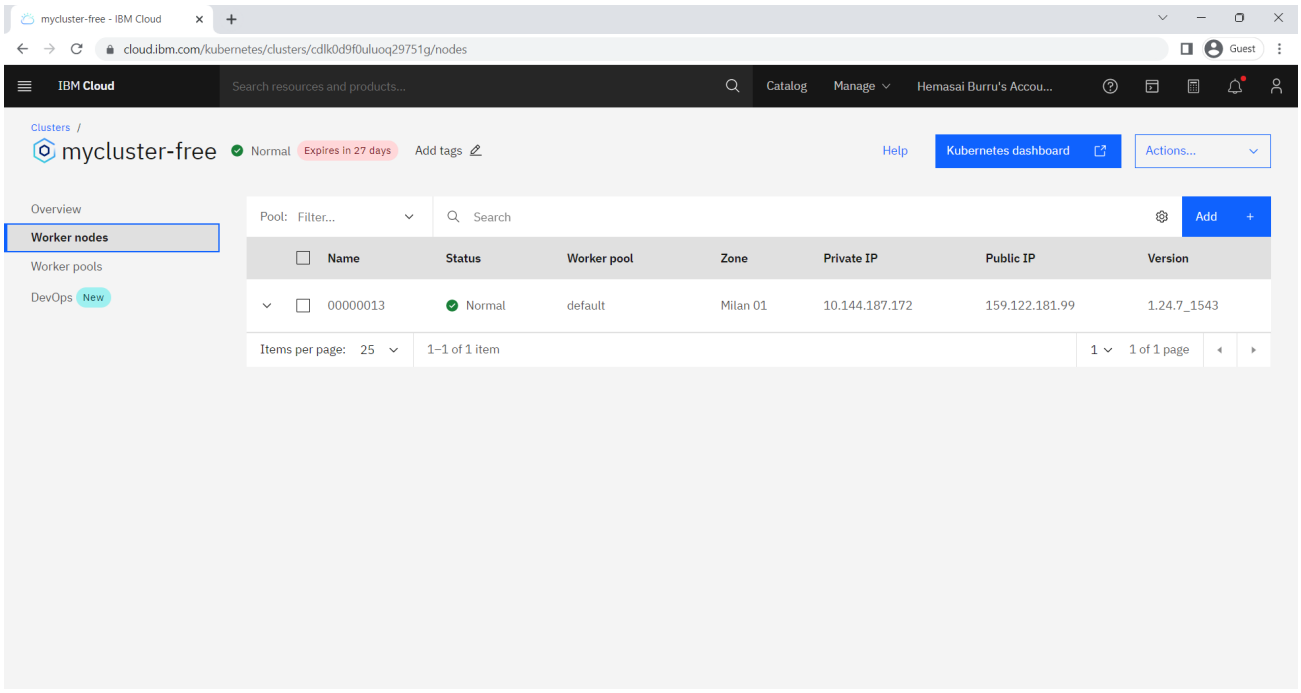
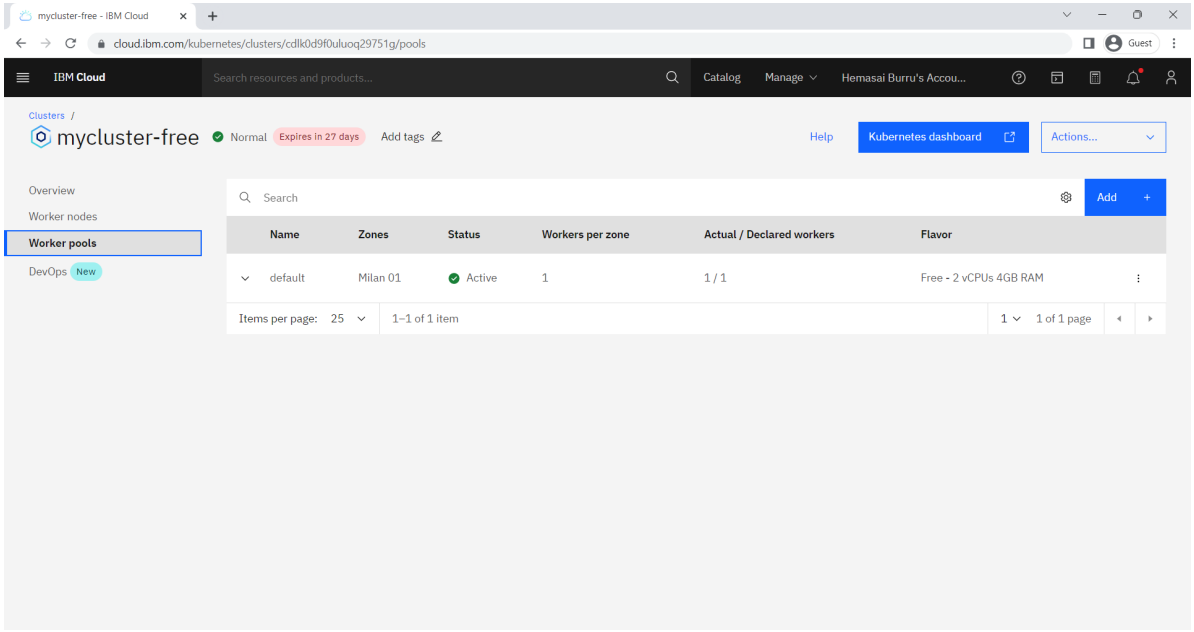
3. Create a IBM container registry and deploy hello world app or job port app.



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.




mycluster-free - IBM Cloud
cloud.ibm.com/kubernetes/clusters/cdlk0d9f0uluoq29751g/pools
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Search resources and products...
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Hemasai Burru's Accou...
Clusters /
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Expires in 27 days
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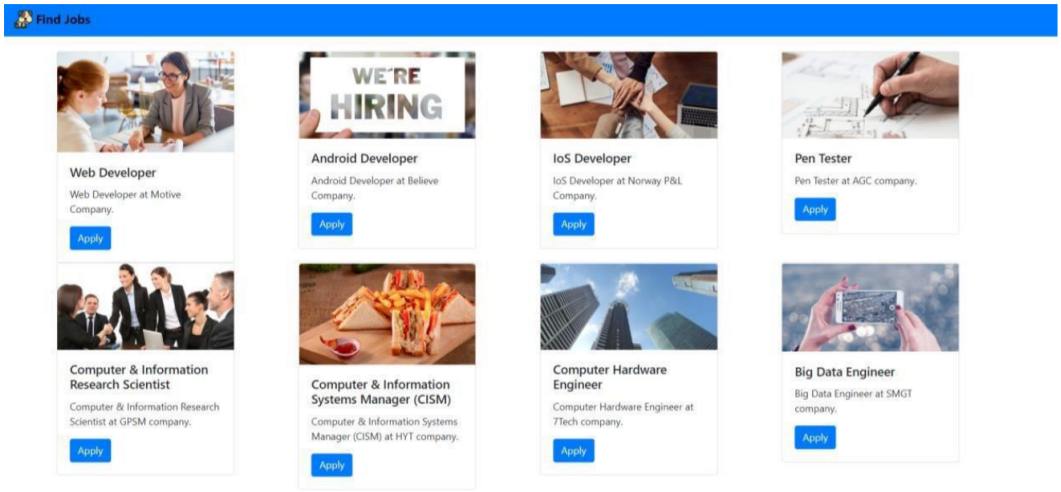
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
New
Search
Add
Name
Zones
Status
Workers per zone
Actual / Declared workers
Flavor
default
Milan 01
Active
1
1 / 1
Free - 2 vCPUs 4GB RAM
Items per page: 25
1–1 of 1 item
1
1 of 1 page

OUTPUT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