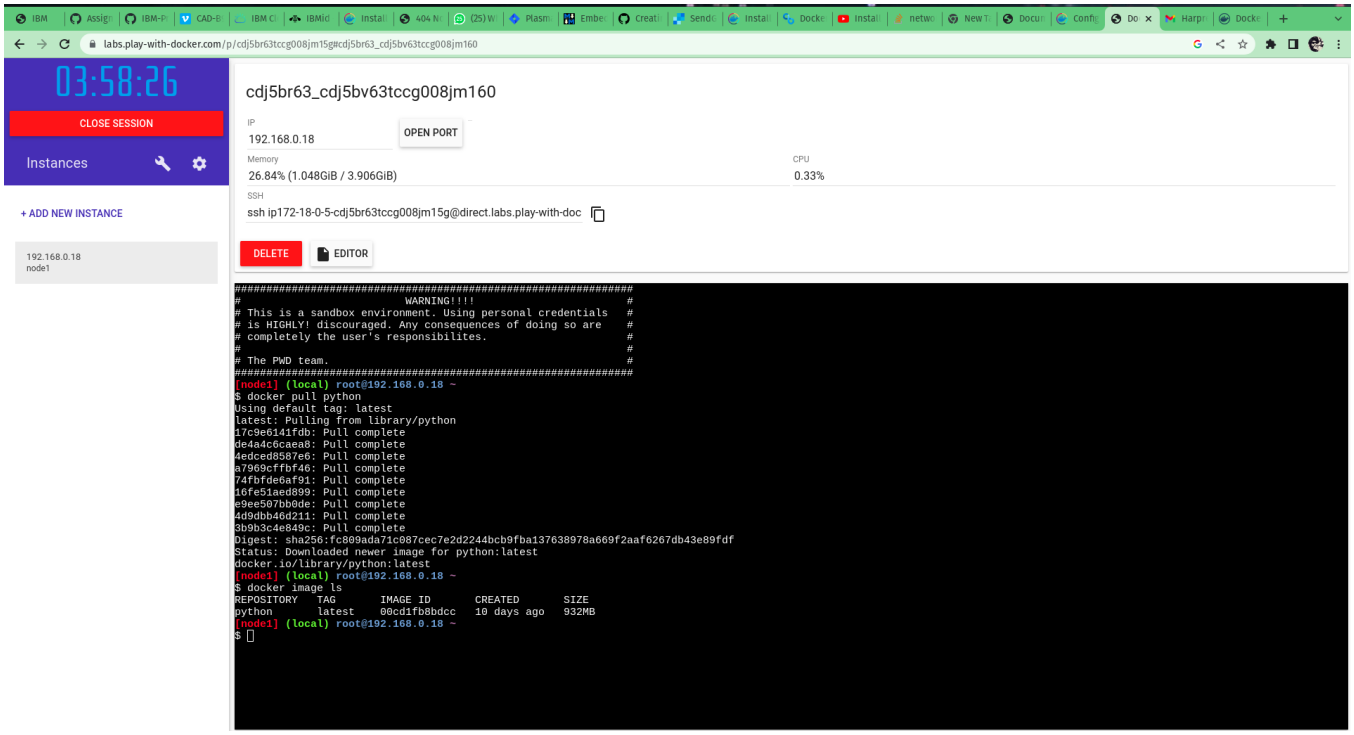
ASSIGNMENT - 4

Date	21 October 2022
Team ID	PNT2022TMID17680
Project Title	Plasma Donor Application

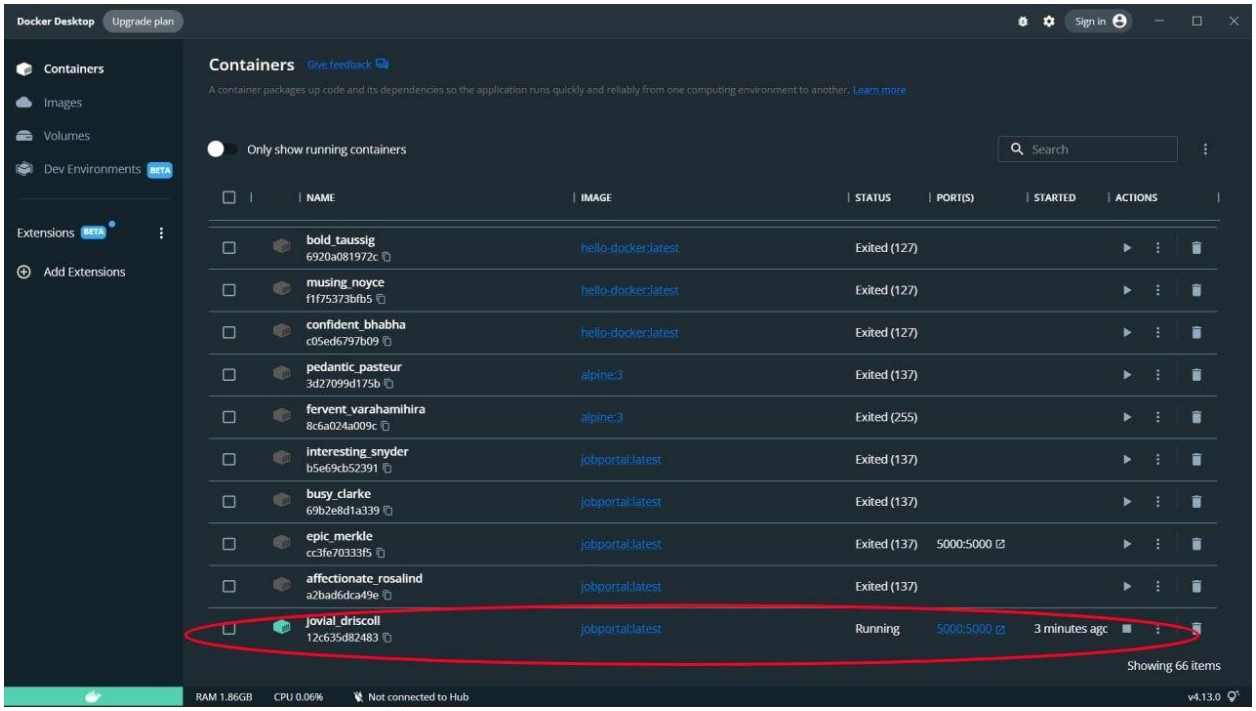
1. Pull an Image from docker hub and run it in docker playground.

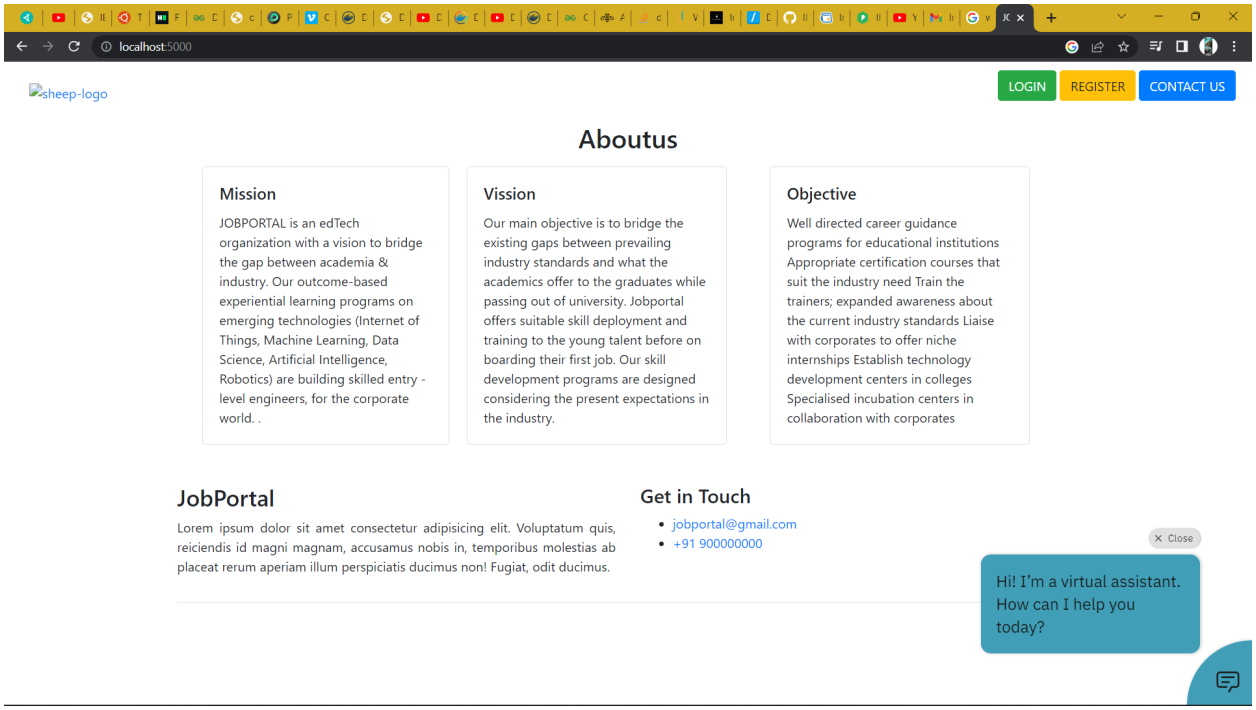


2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

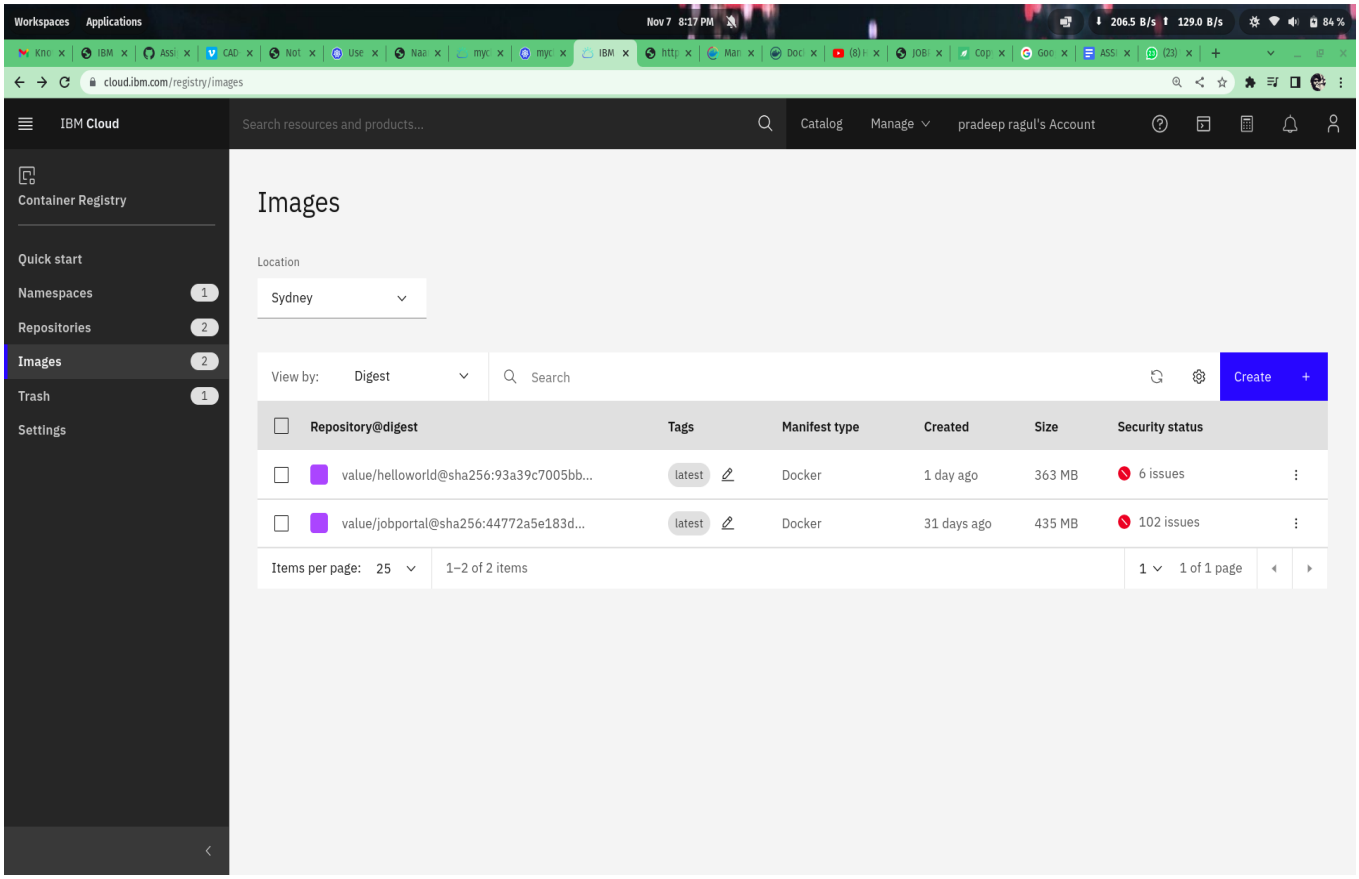
```
# Docker File

FROM python:3
COPY . /app
WORKDIR /app
RUN python3 -m pip install -r requirements.txt
EXPOSE 5000
CMD [ "python3","app.py" ]
```




localhost:5000
sheep-logo
LOGIN
REGISTER
CONTACT US
Aboutus
Mission
JOBPORTAL is an edTech organization with a vision to bridge the gap between academia & industry. Our outcome-based experiential learning programs on emerging technologies (Internet of Things, Machine Learning, Data Science, Artificial Intelligence, Robotics) are building skilled entry - level engineers, for the corporate world. .
Vission
Our main objective is to bridge the existing gaps between prevailing industry standards and what the academics offer to the graduates while passing out of university. Jobportal offers suitable skill deployment and training to the young talent before on boarding their first job. Our skill development programs are designed considering the present expectations in the industry.
Objective
Well directed career guidance programs for educational institutions Appropriate certification courses that suit the industry need Train the trainers; expanded awareness about the current industry standards Liaise with corporates to offer niche internships Establish technology development centers in colleges Specialised incubation centers in collaboration with corporates
JobPortal
Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptatum quis, reiciendis id magni magnam, accusamus nobis in, temporibus molestias ab placeat rerum aperiam illum perspiciatis ducimus non! Fugiat, odit ducimus.
Get in Touch
jobportal@gmail.com
+91 900000000
Close
Hi! I'm a virtual assistant. How can I help you today?

3. Create a IBM container registry and deploy helloworld app or jobportalapp.



4. Create a IBM container registry and deploy helloworld app or jobportalapp.

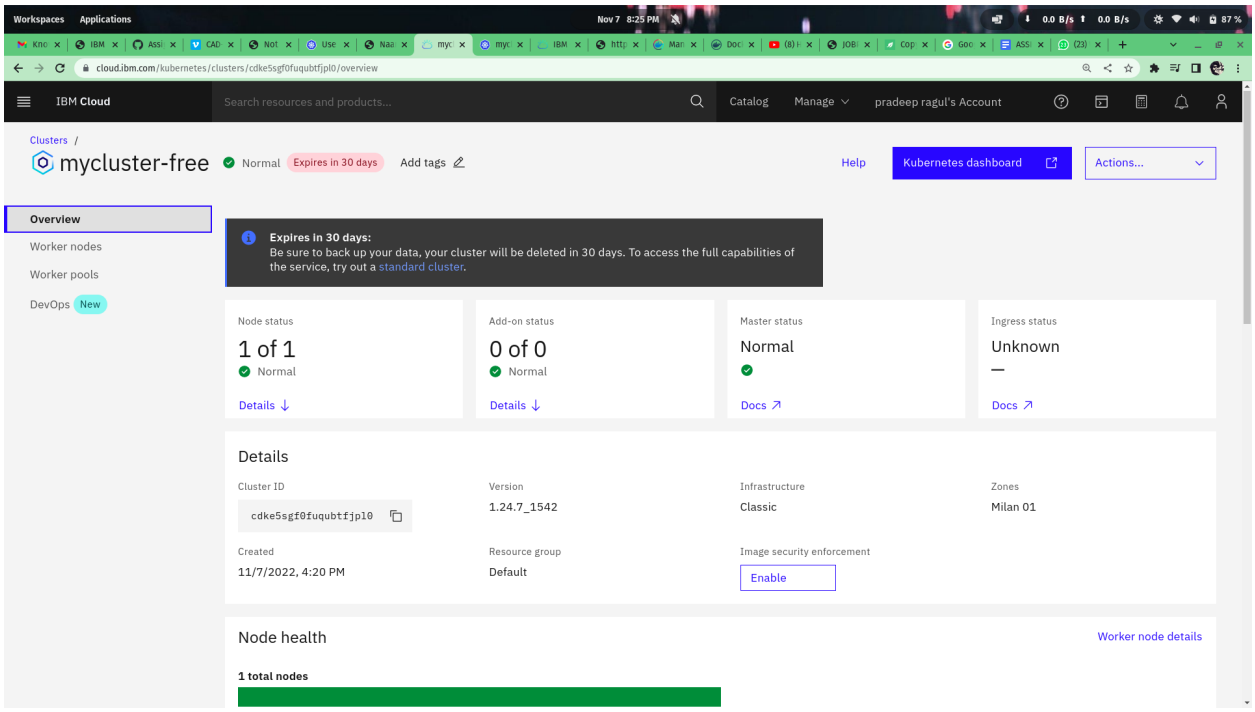
Deployment.yaml

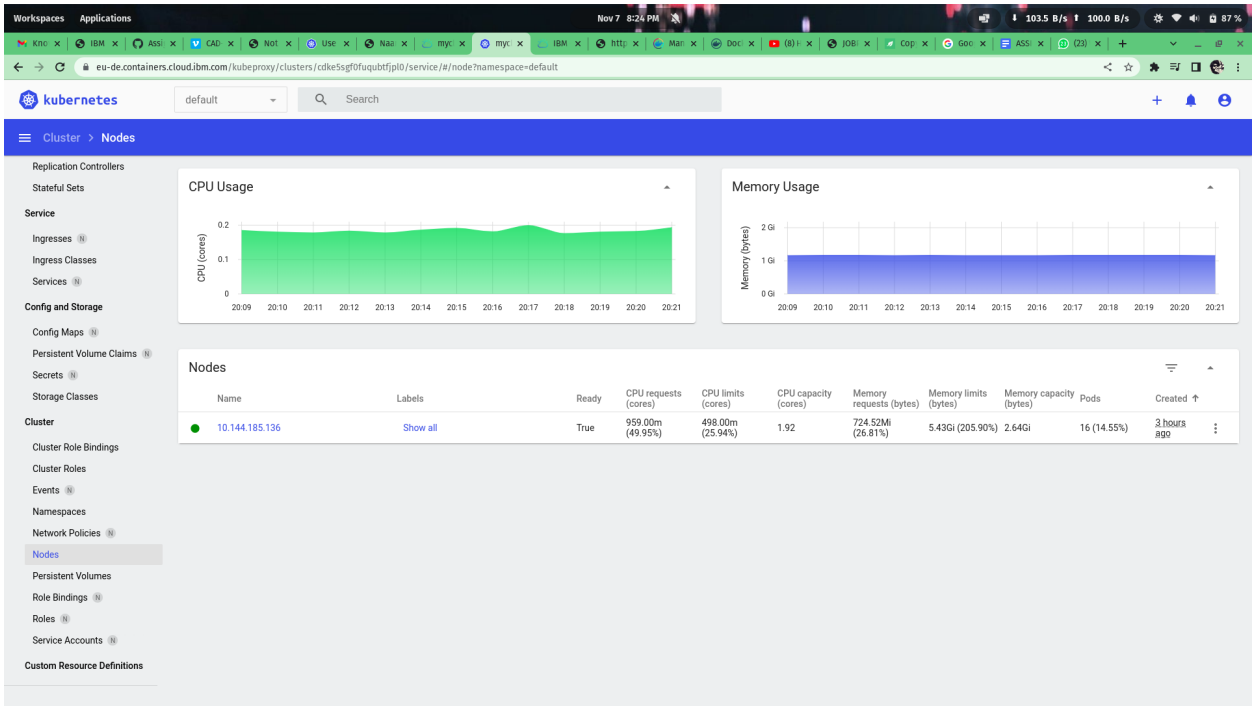
```yaml
# Deployment.yaml file

apiVersion: apps/v1
kind: Deployment
metadata :
 name: jobportal
spec:
 replicas: 3
 selector:
   matchLabels :
     app: jobportal
 template:
   metadata:
     labels:
       app: jobportal
   spec:
     containers:
     - name: jobportal
       image : vasudeha/cadjob
       imagePullPolicy: Always
       ports:
       - containerPort: 5000
```

Service.yaml

```yaml
# sevice.ymal file
apiVersion: v1
kind: Service
metadata:
 name : jobportal
spec:
 ports:
 - port: 5000
   # targetPort: 5000
 type: NodePort
 selector:
   app: jobportal
```




Workspaces
Applications
Nov 7 8:24 PM
103.5 B/s
100.0 B/s
87 %
eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdke5sgf0fuqubtfjpl0/service/#/node?namespace=default
kubernetes
default
Search
Cluster > Nodes
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Config and Storage
Config Maps
Persistent Volume Claims
Secrets
Storage Classes
Cluster
Cluster Role Bindings
Cluster Roles
Events
Namespaces
Network Policies
Nodes
Persistent Volumes
Role Bindings
Roles
Service Accounts
Custom Resource Definitions
CPU Usage
CPU (cores)
0.2
0.1
0
20:09 20:10 20:11 20:12 20:13 20:14 20:15 20:16 20:17 20:18 20:19 20:20 20:21
Memory Usage
Memory (bytes)
2 Gi
1 Gi
0 Gi
20:09 20:10 20:11 20:12 20:13 20:14 20:15 20:16 20:17 20:18 20:19 20:20 20:21
Nodes
Name
Labels
Ready
CPU requests (cores)
CPU limits (cores)
CPU capacity (cores)
Memory requests (bytes)
Memory limits (bytes)
Memory capacity (bytes)
Pods
Created
10.144.185.136
Show all
True
959.00m (49.95%)
498.00m (25.94%)
1.92
724.52Mi (26.81%)
5.43Gi (205.90%)
2.64Gi
16 (14.55%)
3 hours ago