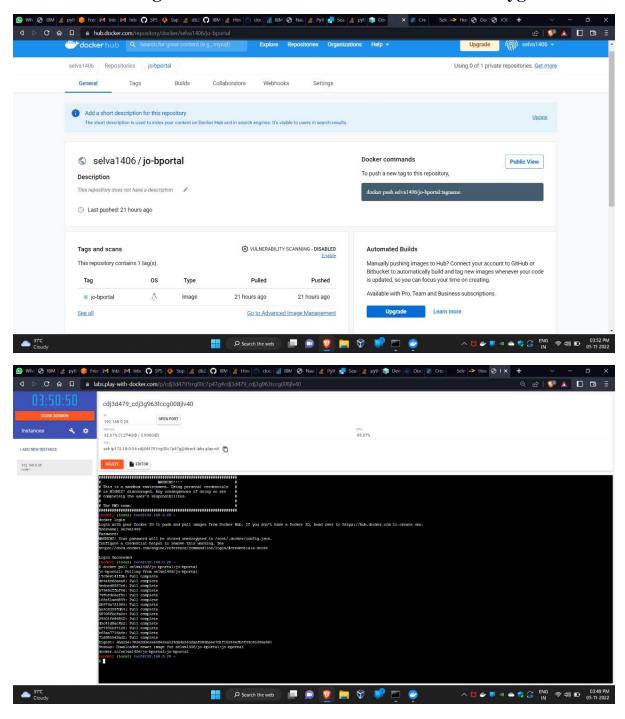
Assignment-4

Team id	PNT2022TMID49581
PROJECT NAME	CUSTOMER CARE REGISTRY
NAME	MARISELVAM S
ROLL NO	950019104028

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



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

Dockerfile:

FROM python:3.8

WORKDIR /app

ADD . /app

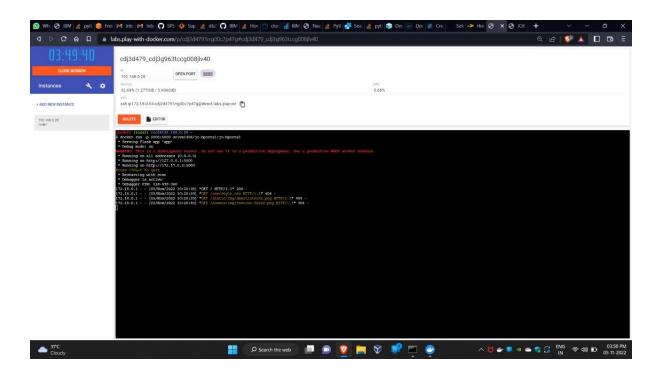
COPY requirements.txt /app

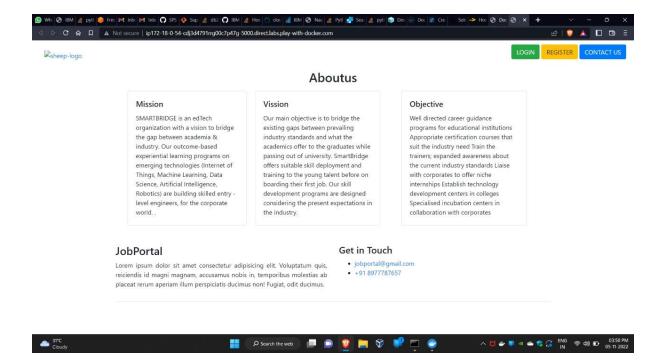
RUN python3 -m pip install -r requirements.txt

RUN python3 -m pip install ibm_db

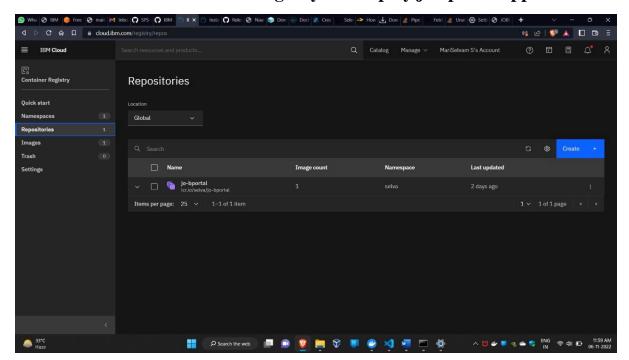
EXPOSE 5000

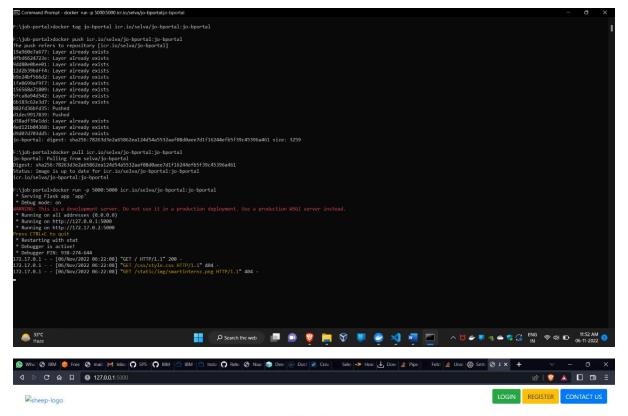
CMD ["python","app.py"]





3. Create a IBM container registry and deploy job portal application.





Aboutus

Mission

SMARTBRIDGE 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. SmartBridge 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

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Get in Touch

- jobportal@gmail.com
 +91 8977787657

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

deployment.yaml:

```
apiVersion: apps/v1
kind: Deployment
metadata:
 name: flask-node-deployment
spec:
 replicas: 1
 selector:
   matchLabels:
    app: flasknode
 template:
   metadata:
    labels:
     app: flasknode
   spec:
    containers:
    - name: flasknode
     image: icr.io/selva/job-portal
     imagePullPolicy: Always
     ports:
     - containerPort: 5000
```

service.yaml:

apiVersion: v1

kind: Service

metadata:

name: customer-care

spec:

ports:

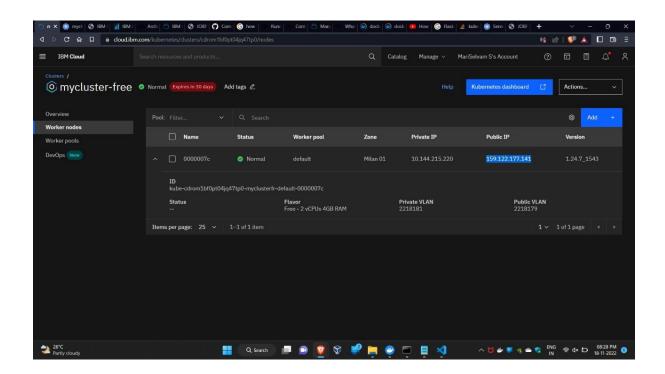
- port: 8080

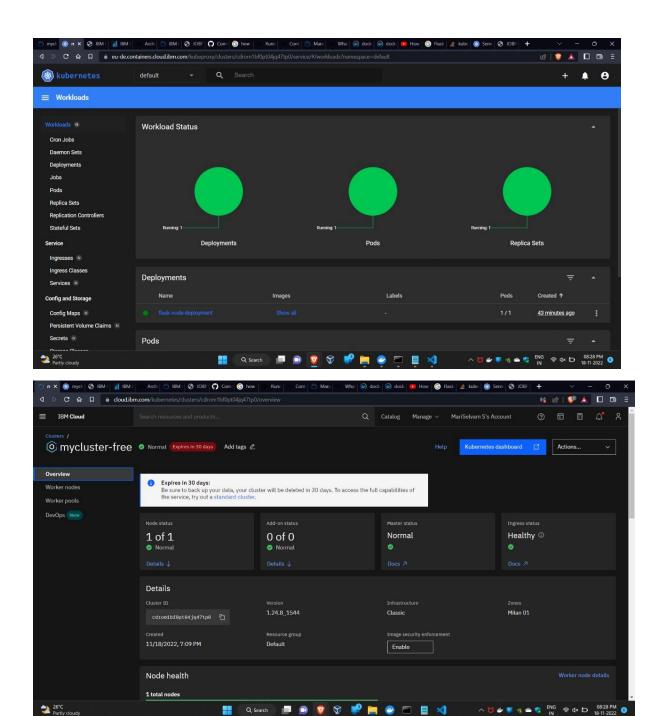
targetPort: 8080

type: NodePort

selector:

app: flasknode







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