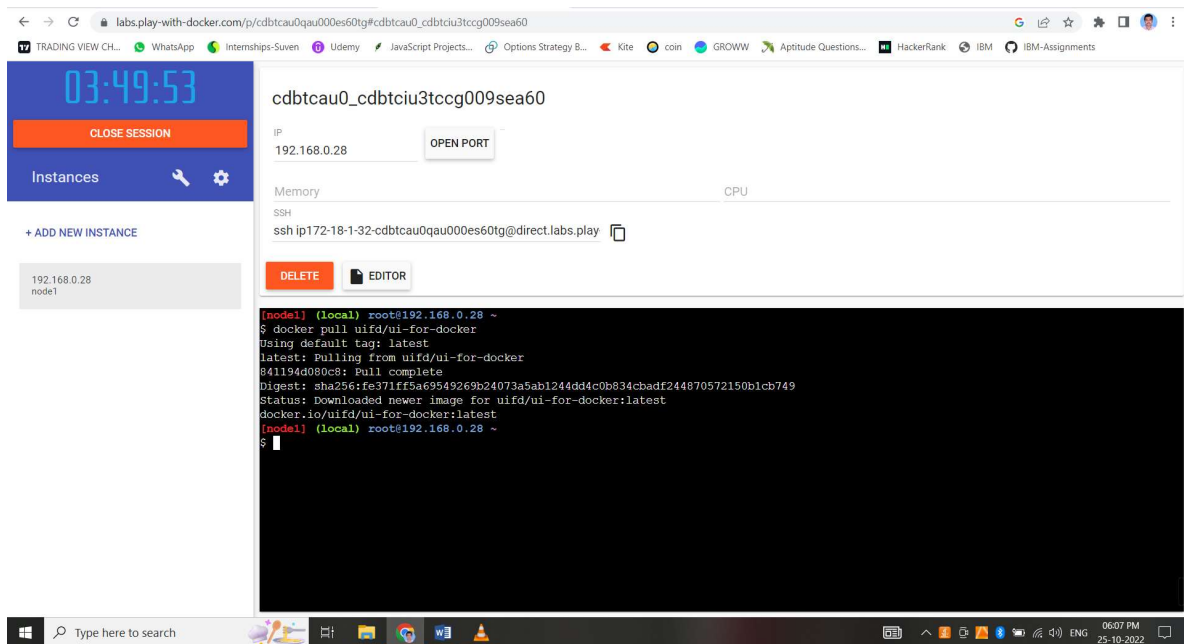


Assignment -4

| | |
|---------------------|-----------------|
| Assignment Date | 07 October 2022 |
| Student Name | B.Sabarinath |
| Student Roll Number | 311519205301 |
| Maximum Marks | 2 Marks |

Question 1:

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

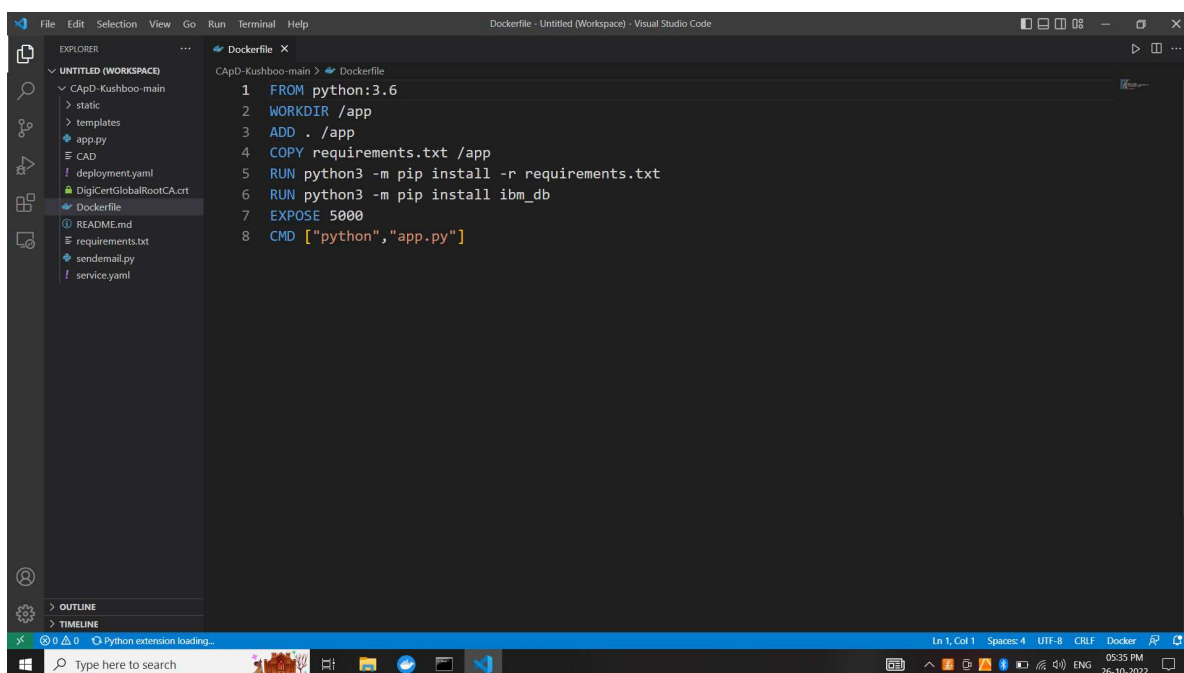


The screenshot shows the Docker Playground interface in a web browser. On the left, there's a sidebar with a timer at 03:49:53, a 'CLOSE SESSION' button, and an 'Instances' section showing one instance named 'node1' with IP 192.168.0.28. The main area displays the instance details for 'cdbtcu0_cdbtcu3tccg009sea60' with IP 192.168.0.28. Below this, there's a terminal window showing the following commands and output:

```
[node1] (local) root@192.168.0.28 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
041194d080c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[node1] (local) root@192.168.0.28 ~
$
```

Question 2:

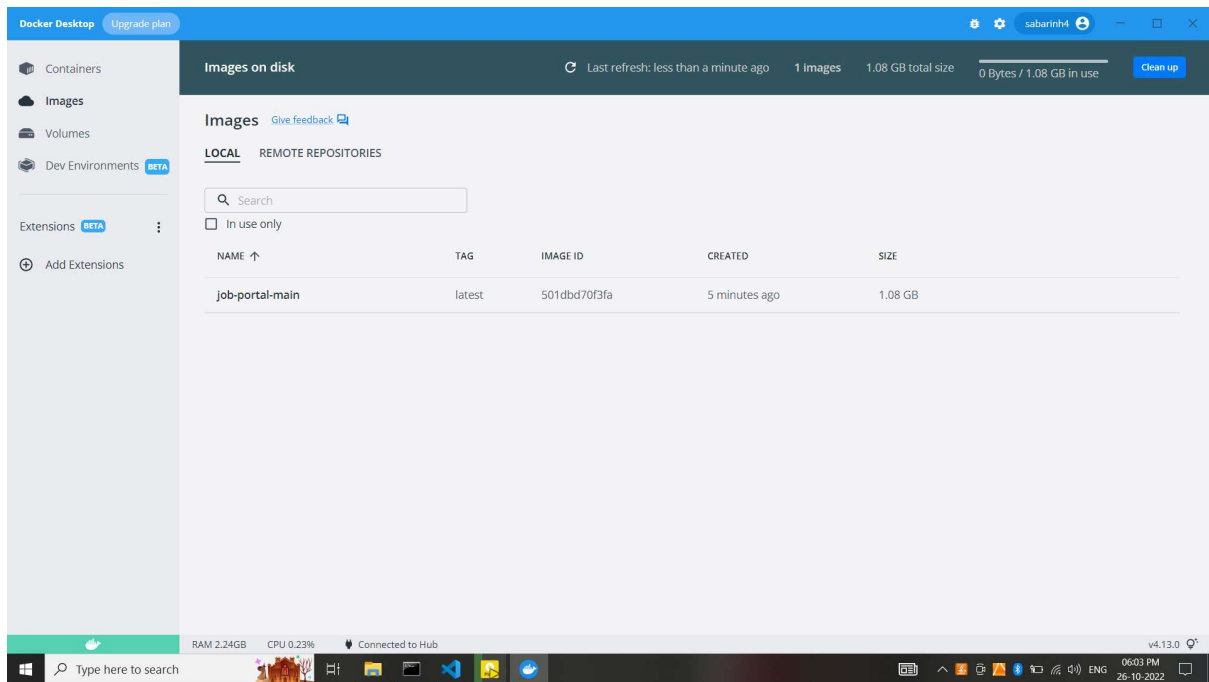
2. Create a docker file for the jobportal application and deploy it in Docker desktop application.



The screenshot shows the Visual Studio Code editor with a Dockerfile open. The Dockerfile content is as follows:

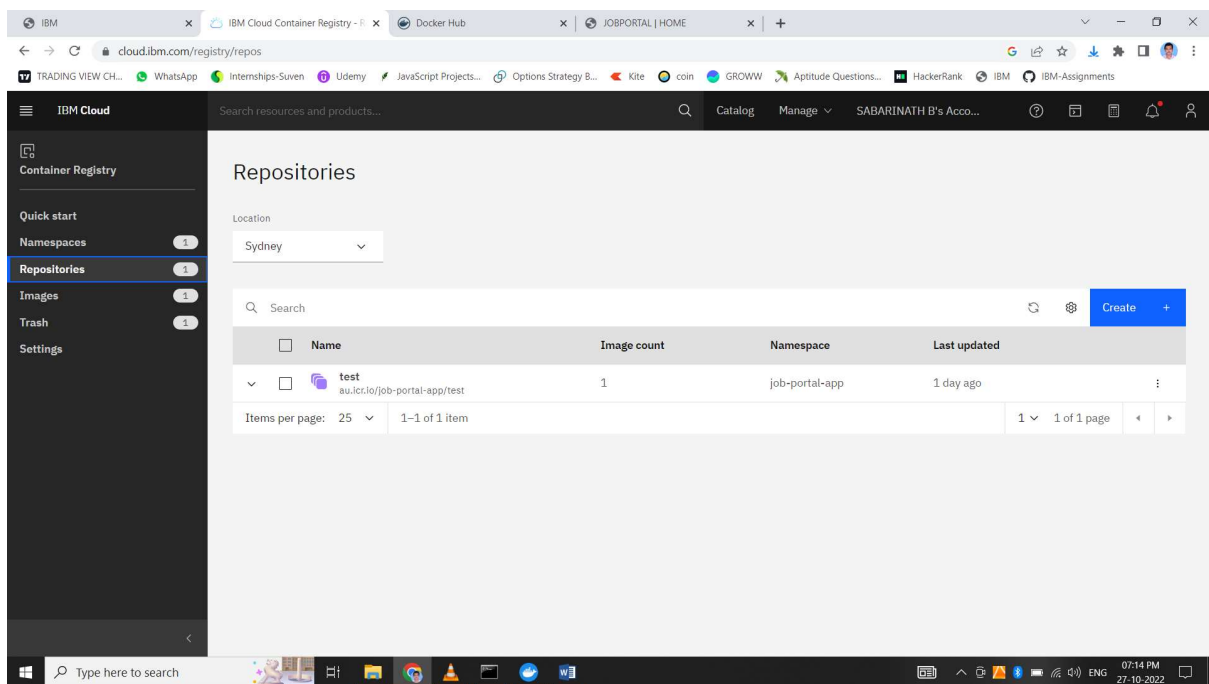
```
1 FROM python:3.6
2 WORKDIR /app
3 ADD . /app
4 COPY requirements.txt /app
5 RUN python3 -m pip install -r requirements.txt
6 RUN python3 -m pip install ibm_db
7 EXPOSE 5000
8 CMD ["python", "app.py"]
```

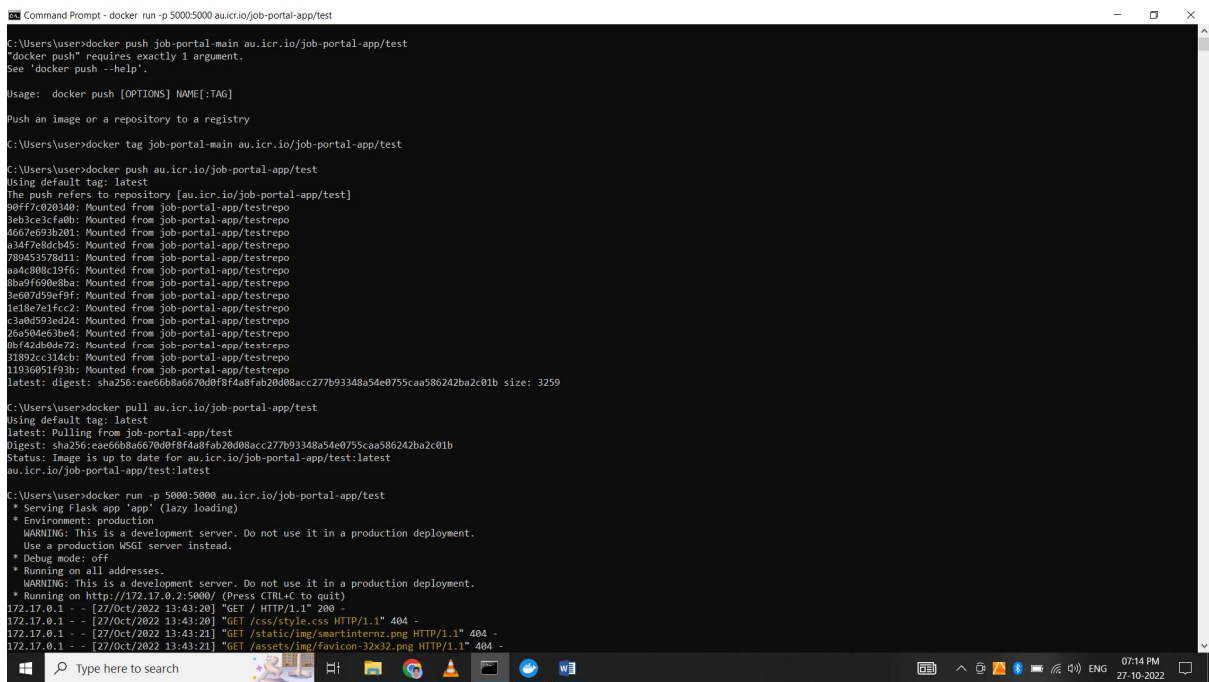
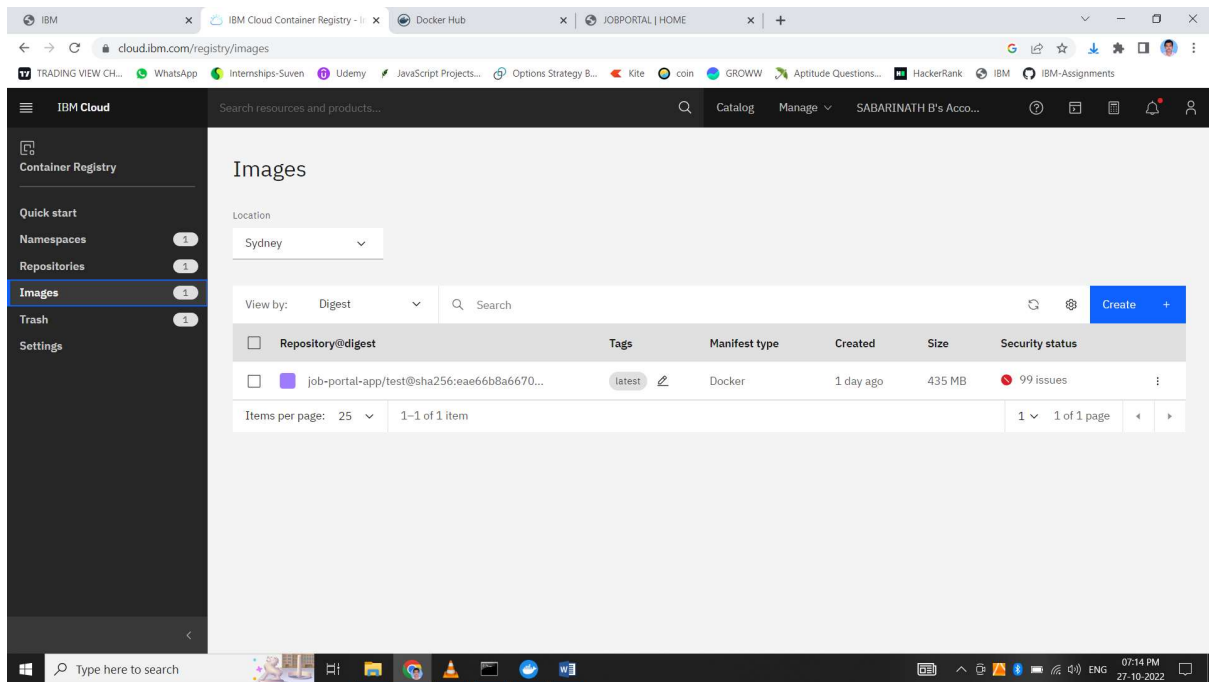
The Explorer sidebar on the left shows the project structure for 'CapD-Kushboo-main', including files like 'static', 'templates', 'app.py', 'deployment.yaml', 'Dockerfile', 'README.md', 'requirements.txt', 'sendemail.py', and 'service.yaml'.

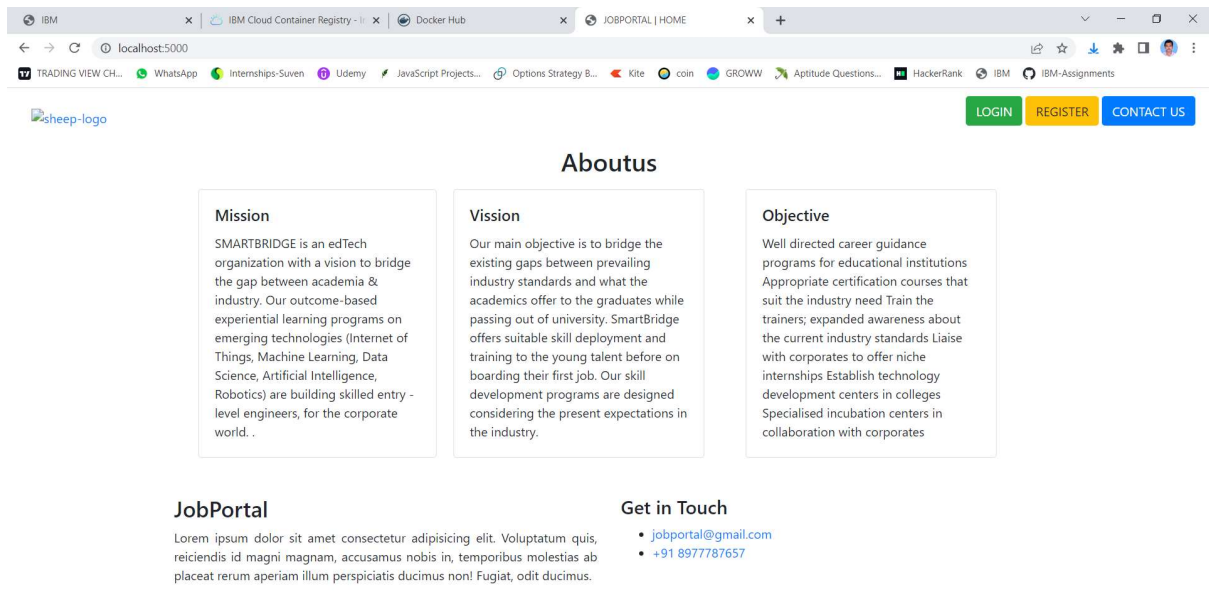


Question 3:

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

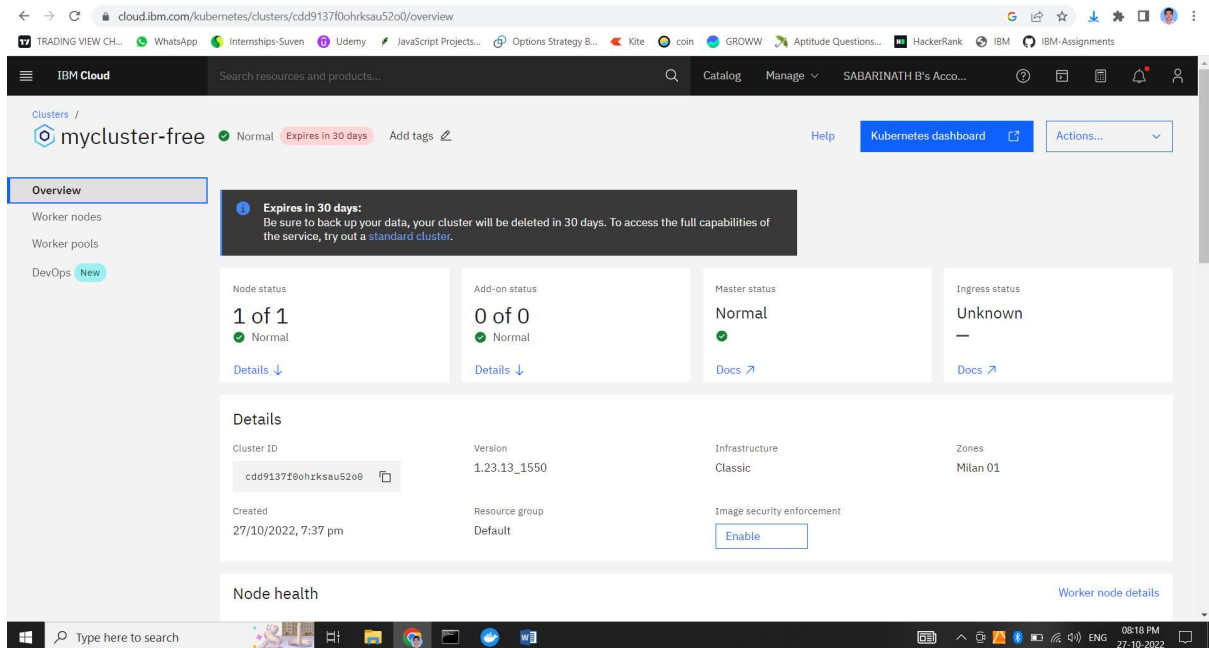






Question 4:

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.



[LOGIN](#)[REGISTER](#)[CONTACT US](#)

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

Lorem ipsum dolor sit amet consectetur adipiscing 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 8977787657