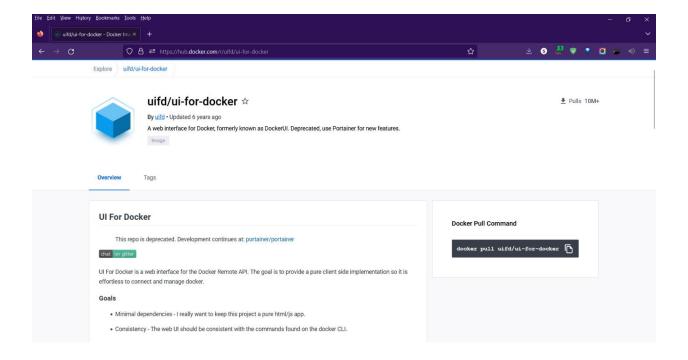
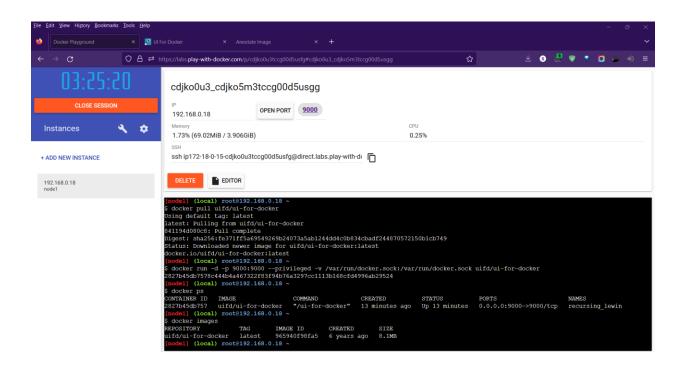
# **ASSIGNMENT - 4**

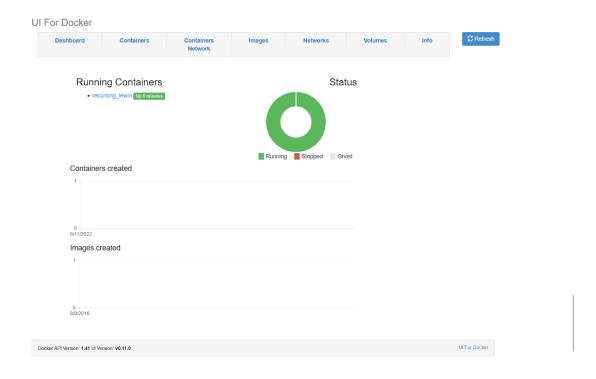
Assignment Date	05-11-2022
Student Name	Vimala P
Student Roll Number	95071915053
Maximum Marks	2 Marks

# **QUESTION:**

- 1. Pull an Image from docker hub and run it in docker playground.
- **2.** Create a docker file for the job portal application and deploy it in Docker desktop application.
- **3**. Create an IBM container registry and deploy hello world app or job portal app.
- **4.** Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.
  - 1. Pull an Image from docker hub and run it in docker playground.







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

# Docker file:

```
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Dockerfile 

Dockerfile 

1 FROM python:3.10
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"]

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Windows (CR LF) UTF-8

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```

```
C() Microsoft Corporation. All rights reserved.

S:\spyder\job-portal>\docker build -t job-portal .

[*] Building 425.1s (12/12) FINISHED

**Sinternal**] load build definition from Dockerfile

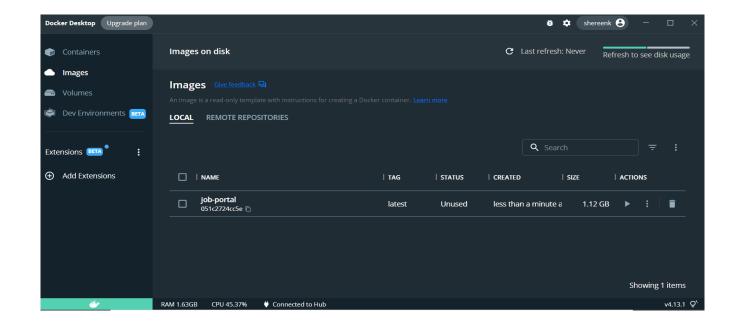
**Sinternal**] load dockerignore

**Sinternal**] load metadata for docker.io/library/python:3.10

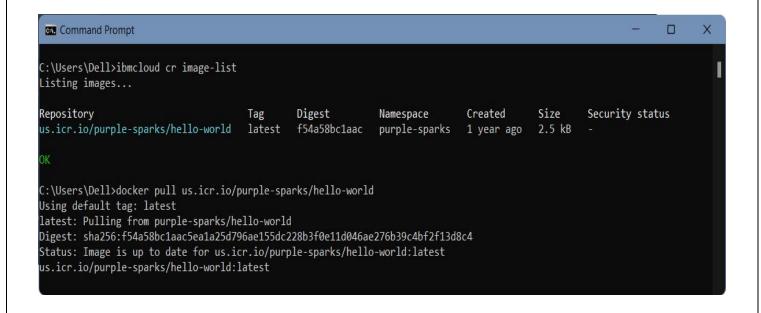
**Sinternal**] load metadata for docker.io/library/python:3.10

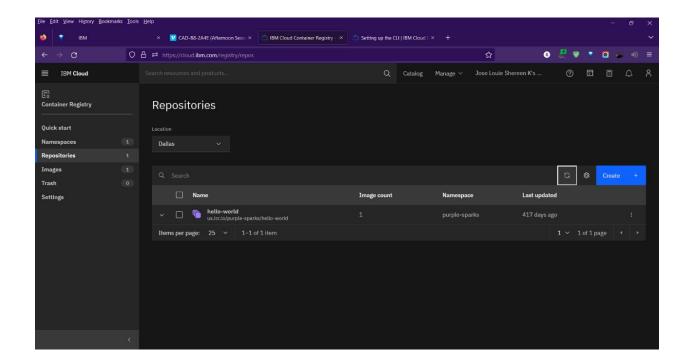
**Sinternal**] load build context

**Sinternal**] load buil
```

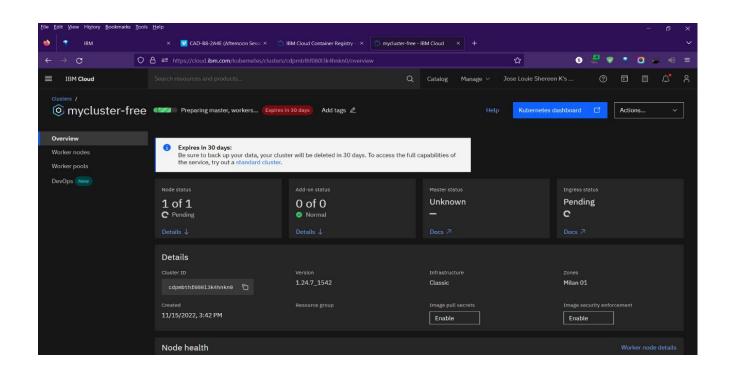


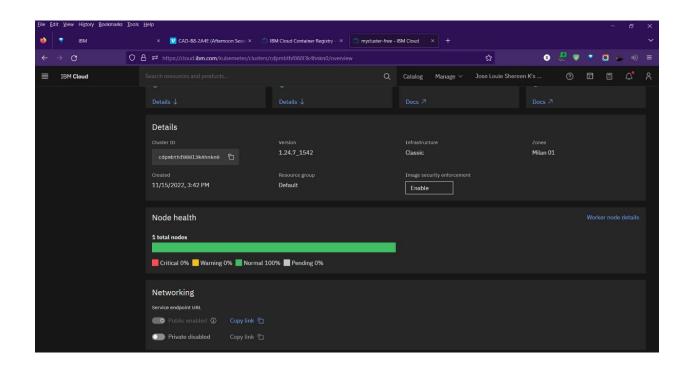
3. Create an IBM container registry and deploy hello world app or job portal app.

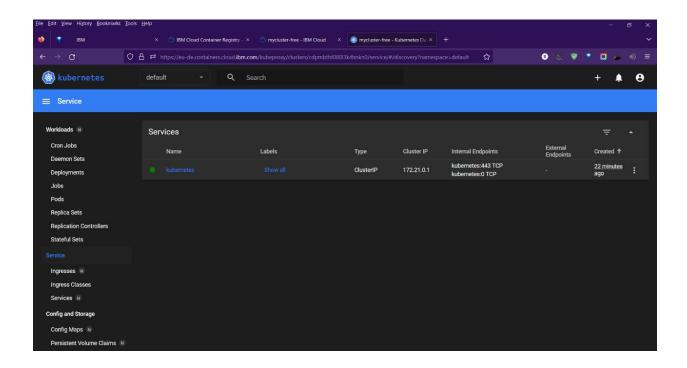


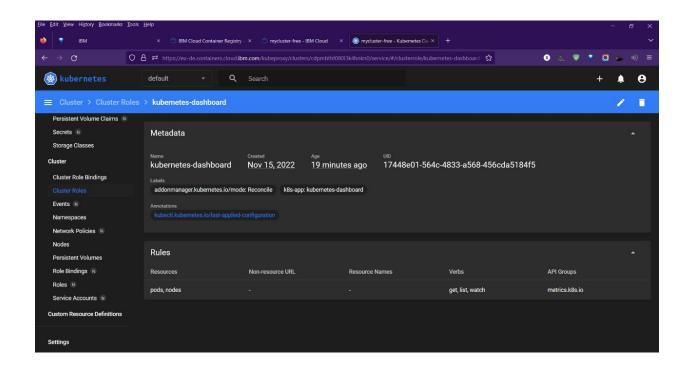


4. Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.











#### 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 celleges Specialised incubation centers in collaboration with corporates

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#### Get in Touch

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- +91 8977787657