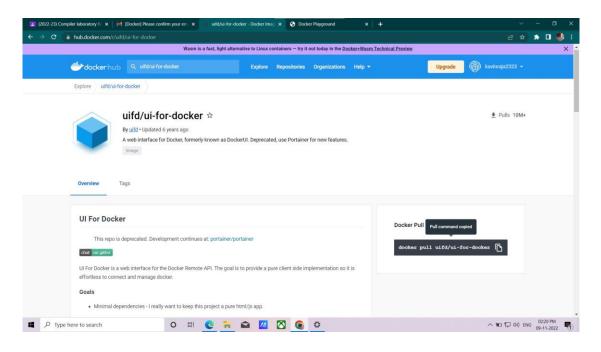
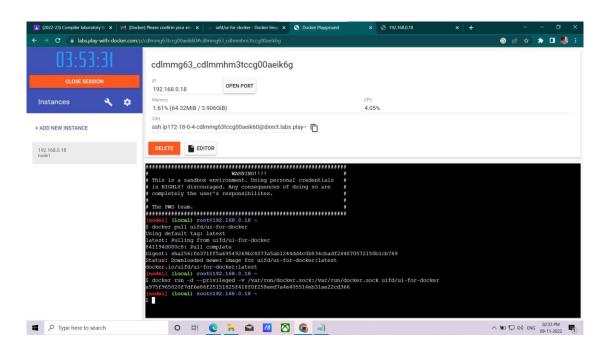
## Assignment -4

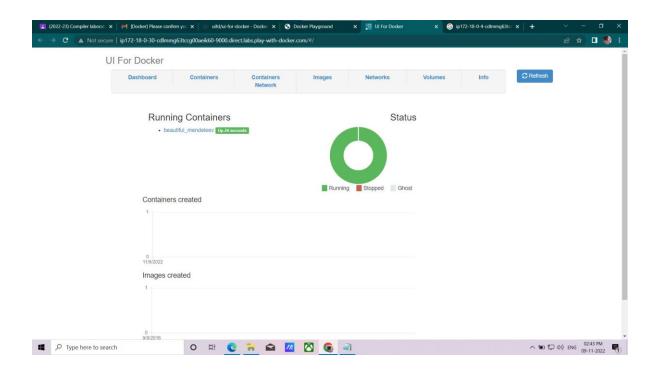
## **Docker and Kubernetes**

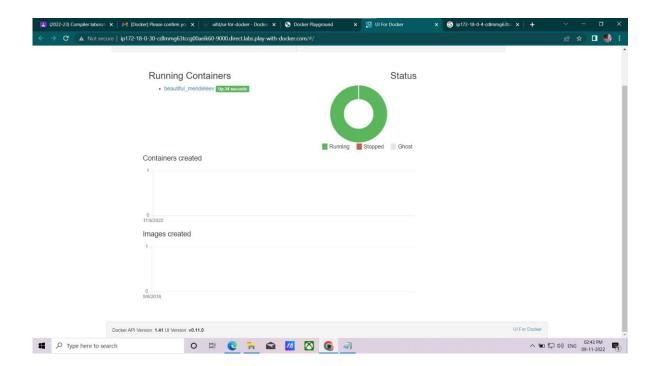
Assignment Date	21 October 2022
Student Name	HARSHITHA B.
Student Roll Number	CITC19 05 018
Maximum Marks	2 Marks

## 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

```
FROM python

WORKDIR /ibmlast

COPY requirements.txt requirements.txt

RUN /usr/local/bin/python -m pip install --upgrade pip

RUN /usr/local/bin/python -m pip install ibm_db

RUN /usr/local/bin/python -m pip install flask

ENV IBM_DB_HOME /ibmlast/db2_license/licenses/clidriver

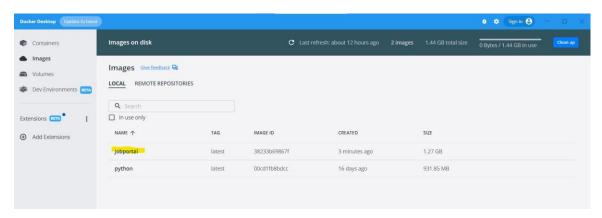
PUN LD_LIBRARY_PATH /ibmlast/db2_license/licenses/clidriver/lib:$LD_LIBRARY_PATH

EXPOSE 5000

COPY . .

CMD [ "python3", "-m" , "flask","--debug", "run"]
```





C:\Users>docker run -d -p 5000:5000 jobportal 9871739a2ab7c15ed9bbe2431037be7d3612d9b2407ce771eb47250e630eae84 C:\Users>\_

Containers Give feedback ☐  A container packages up code and its dependencies so the	application runs quickly and reliably from one computing envi	onment to another. <u>Learn more</u>				
Only show running containers			C	<b>\</b> Search		] :
□   NAME	IMAGE	STATUS	PORT(S)	STARTED /	ACTIONS	
fervent_kepler 9871739a2ab7 🖺	jobportal:latest	Running	5000:5000 🗷	23 seconds ag	<b>=</b> :	î
□ □ □ Document × +  ← ♂ ① 127.0.0.1:5000						

## Registration



3. Create a IBM container registry and deploy helloword app or jobportal

