

Assignment -4

Student Name	Rajesh R
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Maximum Marks	2 Marks

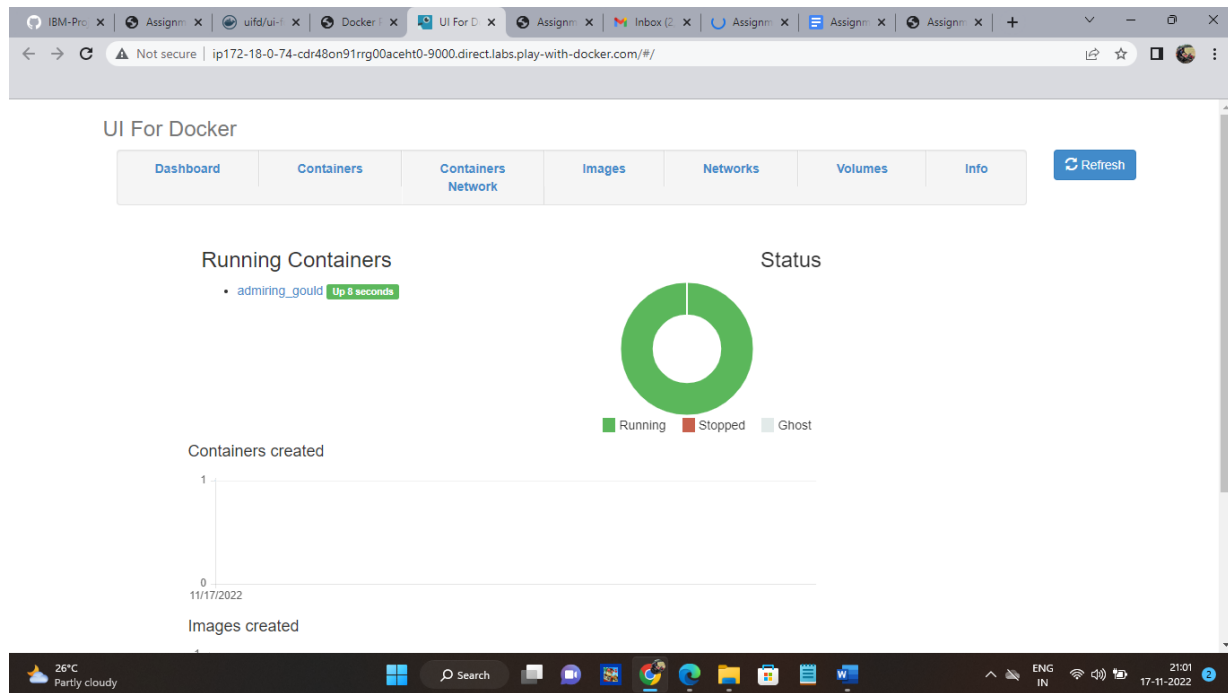
Question-1:

Pull an image from the docker hub and run it in the docker playground

The screenshot shows a web browser window with the URL `labs.play-with-docker.com/p/cdr48on91rrg00aceht0#cdr48on9_cdr48qn91rrg00acehu0`. The interface displays a digital clock at 02:54:39 and a 'CLOSE SESSION' button. On the left, there's a sidebar with 'Instances' and a '+ ADD NEW INSTANCE' button. The main area shows details for the instance 'cdr48on9_cdr48qn91rrg00acehu0', including its IP (192.168.0.8), memory usage (1.72%), CPU usage (0.47%), and an SSH command. Below this, there's a terminal window showing the following commands and output:

```
[node1] (local) root@192.168.0.8 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: 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@192.168.0.8 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
e889555d7b4937e48552060d9beb40263cdce099b1905827485d01aa3a0b7fb3
[node1] (local) root@192.168.0.8 ~
```

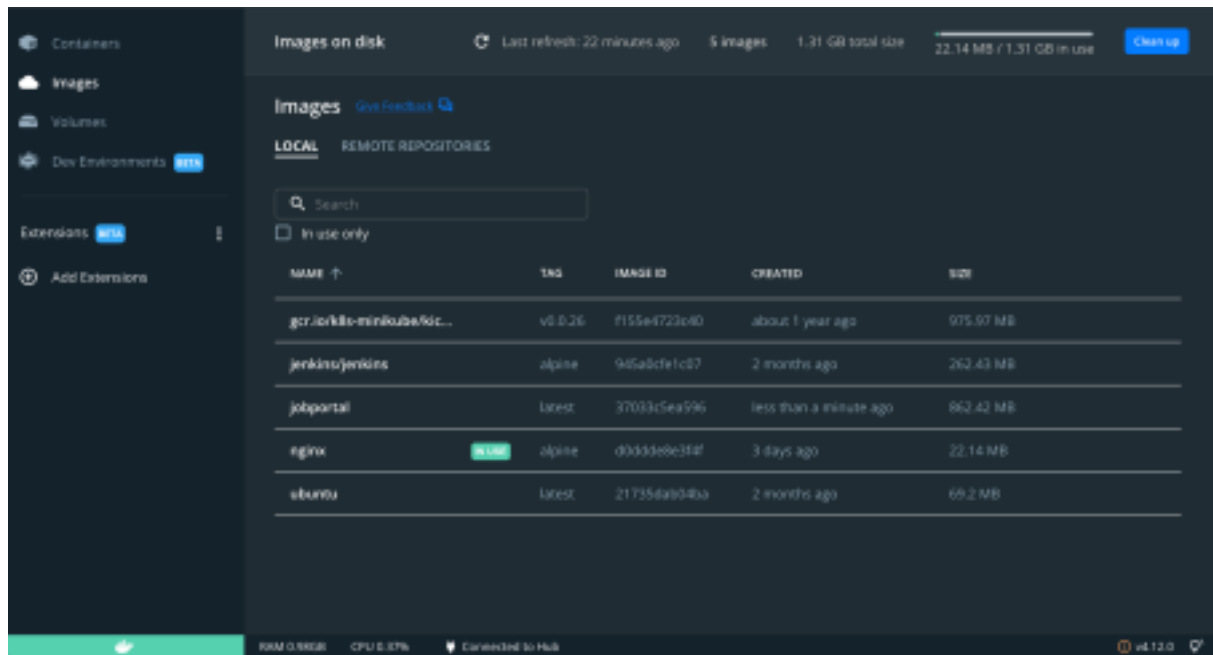
The bottom of the image shows a Windows taskbar with the date 17-11-2022 and time 21:00.



Question-2:

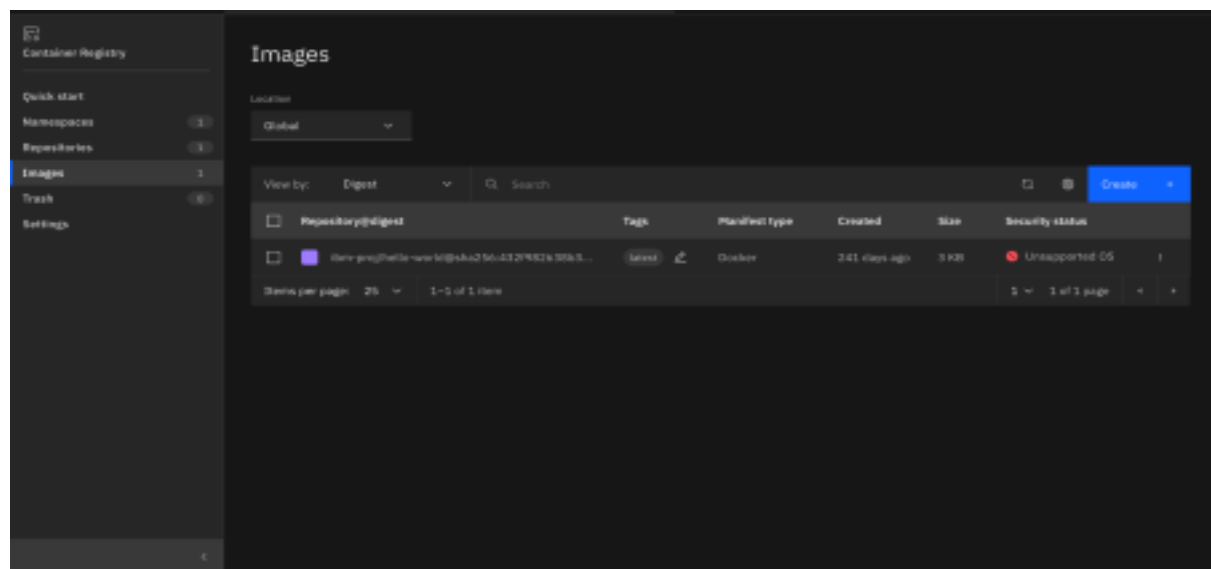
Create a docker file for the job portal application and deploy it in docker desktop

```
vi Beckertile
1 FROM python:3.8-slim
2
3 WORKDIR /app
4
5 COPY requirements.txt /app/
6
7 RUN pip install -r requirements.txt
8
9 COPY . /app/
10
11 RUN cp .env.dev.sample .env
12
13 EXPOSE 8080
14
15 RUN chmod +x entrypoint.sh
16
17 CMD ["sh", "entrypoint.sh"]
18
```



Question-3:

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



Question-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.

