Question-1

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

```
Users \Lakshmi>docker pull lakshmi38/hello1
Jsing default tag: latest
Latest: Pulling from lakshmi38/hello1
-a7dd9ec2225: Already exists
e124a36b9ab: Already exists
3667 c4d827e9: Already exists
322b5bc612d6: Already exists
12d3bd591cf0: Already exists
533e3d869ffb: Already exists
2708e70b3f48: Already exists
24e0673648dc: Already exists
175ccbcbcafO: Already exists
Digest: sha256:b3ba503ab8f6a8e22312e0425486fec74309b8505338604d9bdeb3ed28e8023
Status: Downloaded newer image for lakshmi38/hello1:1atest
docker.io/lakshmi38/hello1:latest
3: \Users \Lakshmi>
```

Question-2

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

```
# init a base image (Alpine is small Linux distro)
FROM python:3.10.8-alpine
# update pip to minimize dependency errors
RUN pip install --upgrade pip
# define the present working directory
WORKDIR /hello1
# copy the contents into the working dir
ADD . /hello1
# run pip to install the dependencies of the flask app
RUN pip install -r requirements.txt
# define the command to start the container
CMD ["python","app.py"]
```

(venv) PS C:\Users\syed\PycharmProjects\hello1> docker image build -t hello1 .

Question -3

Create a IBM container registry and deploy helloworld app or job portal app

```
C: \Users \Lakshmi>docker tag lakshmi38/hel101 jp.icr.io/lakshmi38/hello-world:hello
C: \Users \Lakshmi>docker push jp.icr.io/lakshmi38/hello-world:hello
The push refers to repository [jp.icr.io/lakshmi38/hello-world]
6391736c4f05: Pushed
1939675abf8e: Pushed
f518a2f3977a: Pushed
f7834adff5cd: Pushed
509bd8266714: Pushed
333f96496727: Pushed
2edf98458dc1: Pushed
f80ab90a8afe: Pushed
e5e13b0c77cb: Pushed
hello: digest: sha256:b3ba503ab8f6a8e22312e0425f486fec74309b8505338604d9bdeb3ed28e8023 size: 2208
C: \Users\Lakshmi>


\Users \Lakshmi>docker run -p 5000:5000 -d visha1212/hel101
ab0e48953acec7489e48590606df4aeb3b59c6b9c66fba64e5e537641dc59350

c: \Users \Lakshmi>
```