

Question-1

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

```
C:\Users\Nithish>docker pull Nithish119/hello1

Using default tag: latest
Latest: Pulling from Nithish119/hello1
ca7dd9ec2225: Already exists
Be124a36b9ab: Already exists
8667c4d827e9: Already exists
322b5bc612d6: Already exists
533e3d869ffb: Already exists
2708e70b3f48: Already exists
12d3bd591cf0: Already exists
24e0673648dc: Already exists
175ccbcabcafe: Already exists
Digest: sha256: b3ba503ab8f6a8e22312e0425f486fec74309b8505338604d9bdeb3ed28e8823
Status: Downloaded newer image for Nithish119/hello1: latest
docker.io/Nithish119/hello1: latest
C:\Users\Nithish>
```

```
C:\Users\Nithish>docker run -p 5000:5000 -d Nithish119/hello1
ab0e48953acec7489e48590606df4aeb3b59c6b9c66fba64e5e537b41dc59350
C:\Users\Nithish>
```

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\Nithish\PycharmProjects\hello1> docker image build -t hello1 .

Question -3

Create a IBM container registry and deploy helloworld app or jobportalap

```
C:\Users\Nithish>docker tag Nithish119/hello1 jp.icr.io/Nithish119/hello-world: hello
```

```
C:\Users\Nithish>docker push jp.ier.io/Nithish119/hello-world:hello
```

The push refers to repository [jp.icr.io/Nithish119/hello-world]

5391736c4f0s: Pushed

1939675abf8e: Pushed

f518a2f3977a: Pushed

F7834adff5cd: Pushed

5d9bd8a66714: Pushed

333496496727: Pushed

2edf98458dc1: Pushed

F80ab90a8afe: Pushed

e5e13b0c77cb: Pushed

hello: digest: sha256:b3ba503ab8f6a8e 2312e0425f486fec74309b8505338604d9bdeb3ed28e8823
size: 2208

```
C:\Users\Nithish>
```