## **ASSIGNMENT 4**

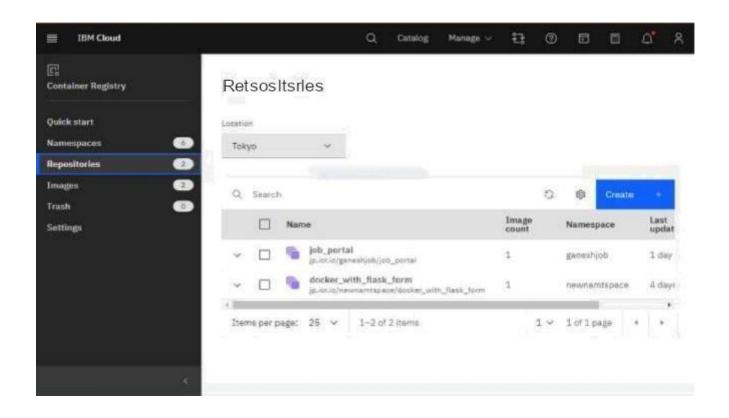
**TEAM ID: PNT2022TMID50578** 

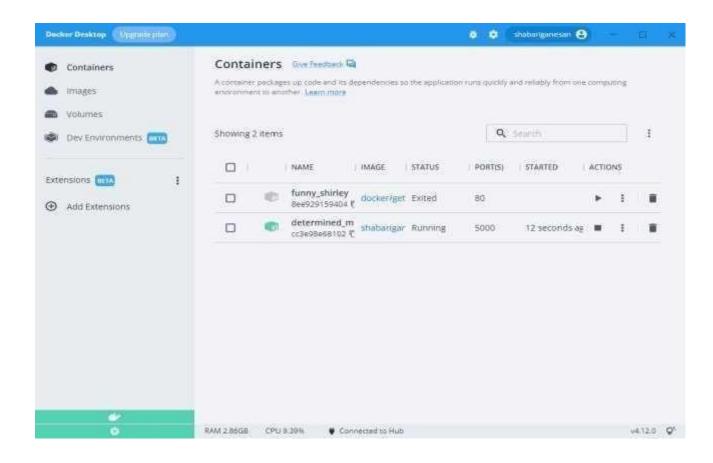
PROJECT NAME: CUSTOMER CARE REGISTRY

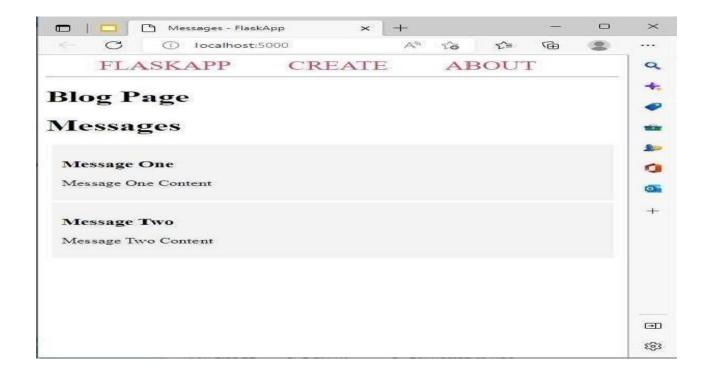
STUDENT NAME: P. THANGA RAMANA

## Question-1: pull an image from docker hub and run it in docker playground

```
5
Command Prompt
Microsoft Windows [Version 10.0.19844.1766]
(c) Microsoft Corporation. All rights reserved.
 :\Users\ADMIN>docker push shabariganesan/docker_with_flask_form
Using default tag: latest
The push refers to repository [docker.io/shabariganesan/docker_with_flask_form]
An image does not exist locally with the tag: shabariganesan/docker_with_flask_form
C:\Users\ADMIN>docker pull shabariganesan/docker_with_flask_form
Using default tag: latest
latest: Pulling from shabariganesan/docker_with_flask_form
1671565cc8df: Pull complete
3e94d13e55e7: Pull complete
fa9c7528c685: Pull complete
53ad072f9cd1: Pull complete
51300/279001 Pull complete
d8092056ded5: Pull complete
c71afc637d59: Pull complete
864a10b3c704: Pull complete
4334b2fe8293: Pull complete
8944570703f4: Pull complete
 885911288d0: Pull complete
886f369ca59f: Pull complete
e113bd27b88e: Pull complete
Digest: sha256:c61f28873bf1c909786ce991b8b60cd976765077f344e34d50e6cce8cf8d95c3
Status: Downloaded newer image for shabariganesan/docker_with_flask_form:latest
docker.io/shabariganesan/docker_with_flask_form:latest
C:\Users\ADMIN>
```







## **Question-2:**

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

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1 FROM python:3.10.6

2 WORKDIR /app

3 COPY requirements.txt ./

4 RUN pip install -r requirements.txt

5 COPY .

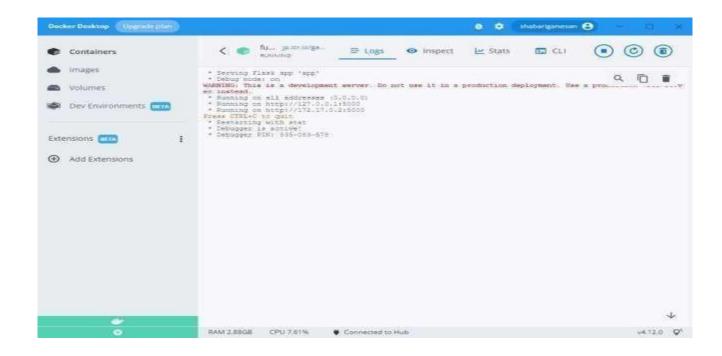
6 EXPOSE 5000

7 CMD ["python","./app.py"]

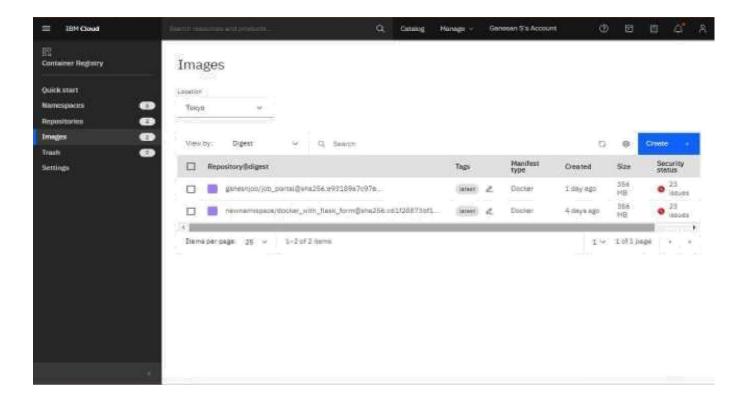
8
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```

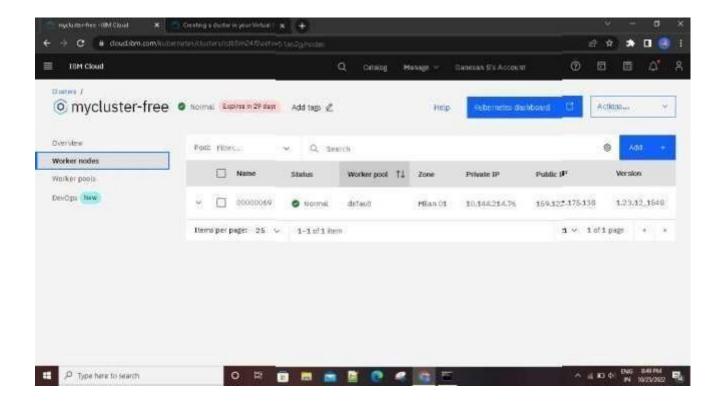


Question-3: Create a Ibm container registry and deploy helloworld app or jobportalapp



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```

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 noteport



```
C:\Windows\System32\cmd.exe
10/16/2022 12:28 PM
                                    3,721 windows shortcut.txt
08/25/2022 08:40 PM
                                   2,897 YouTube.lnk
               24 File(s) 804,677,196 bytes
               9 Dir(s) 79,221,886,976 bytes free
C:\Users\gani\Desktop>cd deploy
The system cannot find the path specified.
C:\Users\gani\Desktop>kubectl apply -f kubernetes/depoly.yaml
error: the path "kubernetes/depoly.yaml" does not exist
C:\Users\gani\Desktop>kubectl apply -f depoly.yaml
error: the path "depoly.yaml" does not exist
C:\Users\gani\Desktop>kubectl apply -f C:\Users\gani\Desktop\deploy.yaml
deployment.apps/flask-app created
C:\Users\gani\Desktop>
```

