

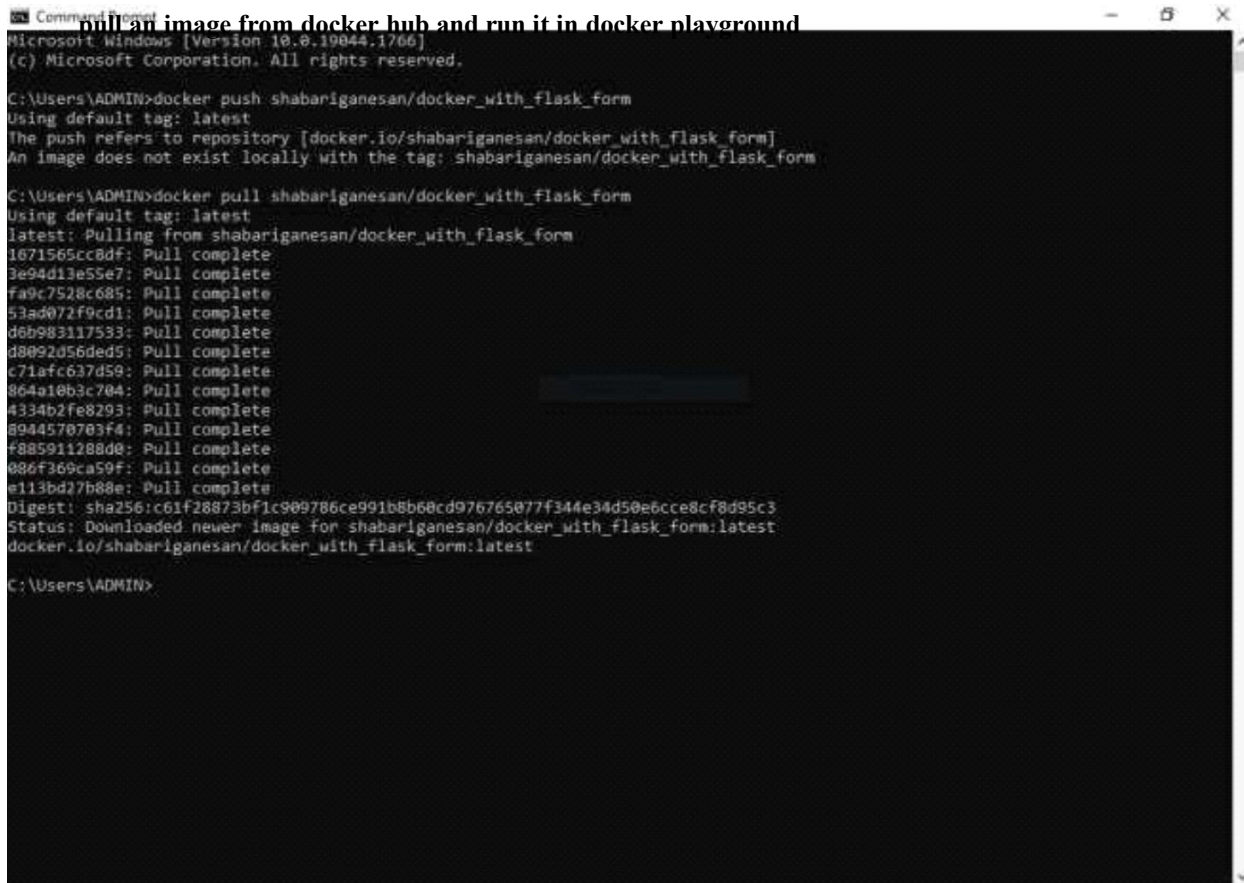
ASSIGNMENT 4

TEAM ID : P N T 2 0 2 2 TM ID 1 0 9 0 8

PROJECT NAME : NUTRITION ASSISTANT APPLICATION

NAME : NARESHSHANKAR.A

Question-1:

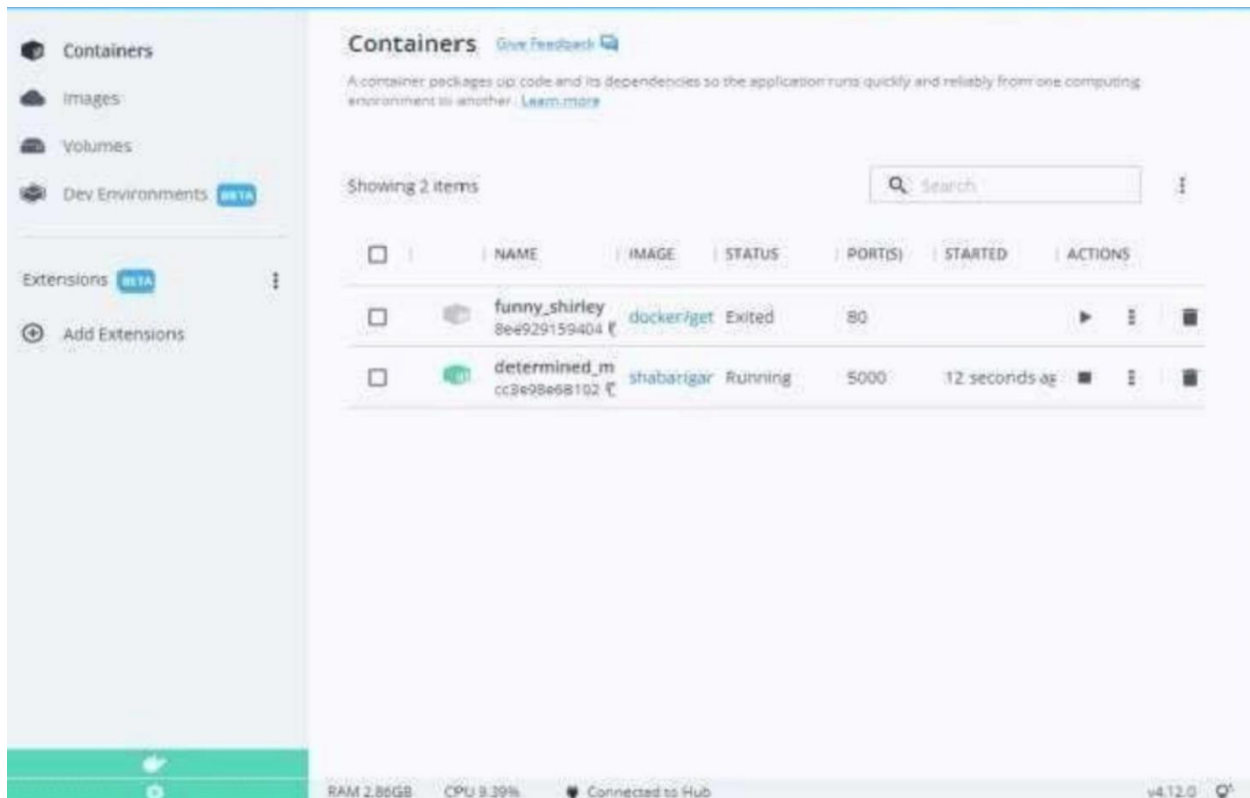
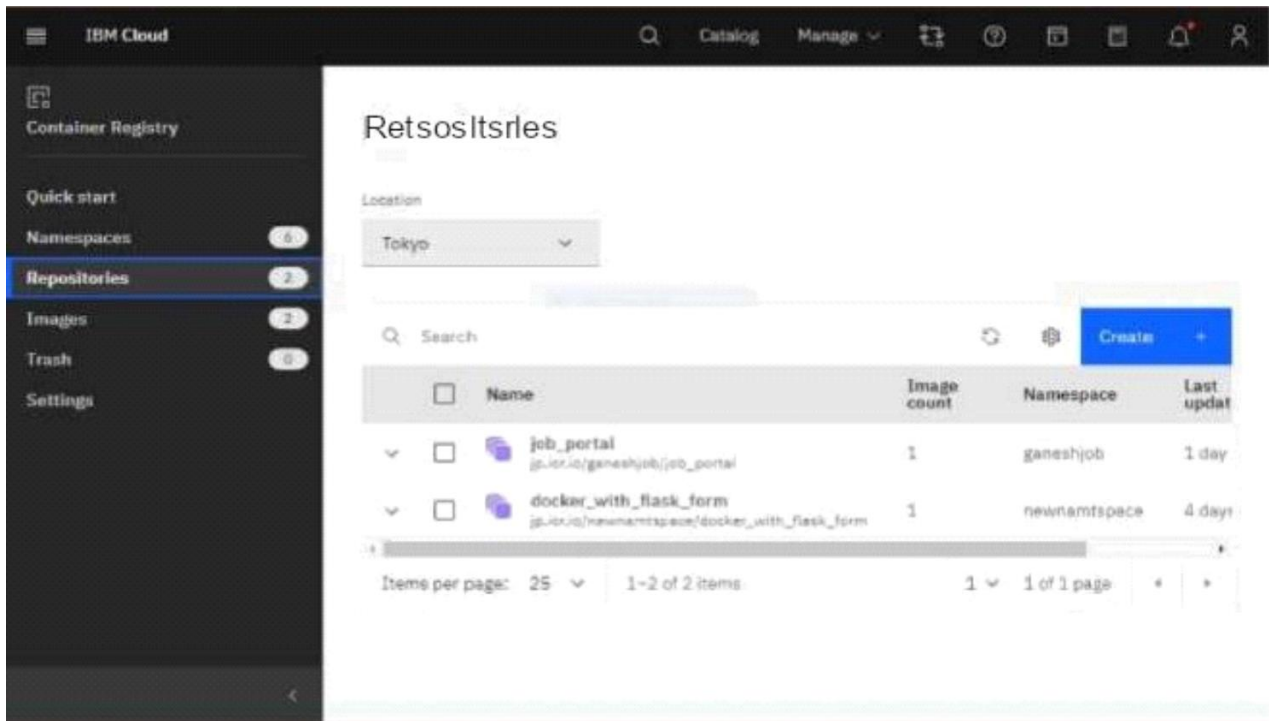


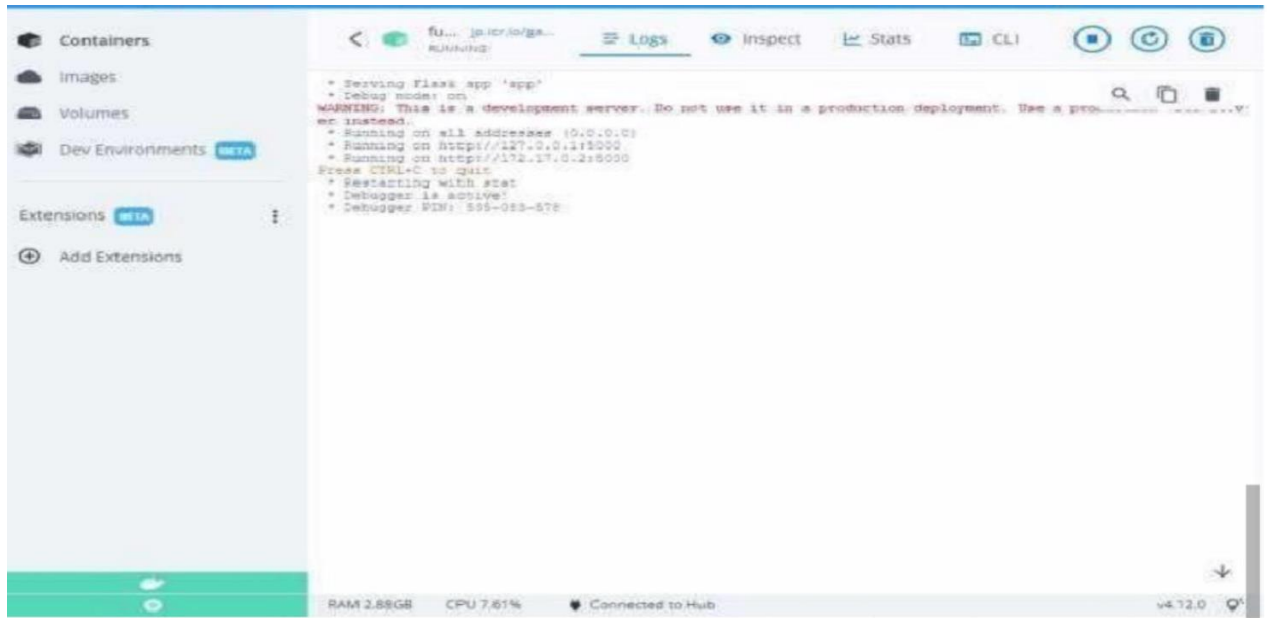
```
Microsoft Windows [Version 10.0.19044.1766]
(c) Microsoft Corporation. All rights reserved.

C:\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

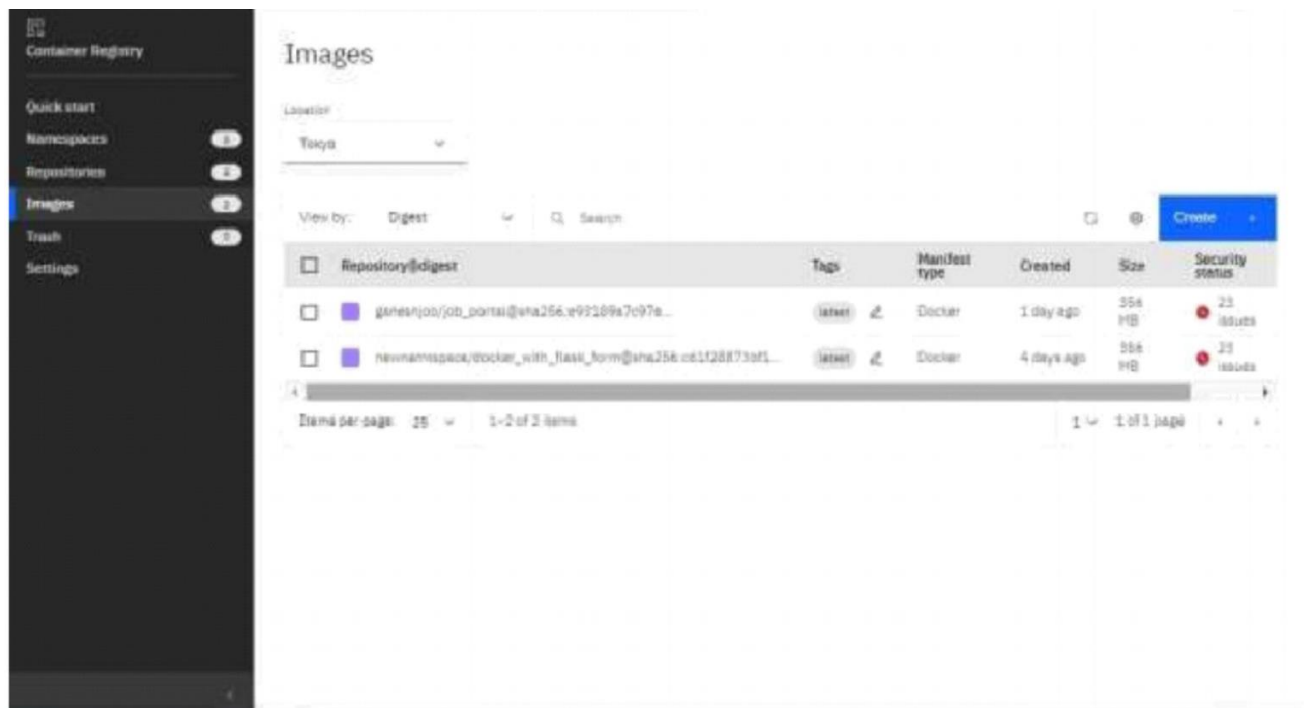
C:\Users\ADMIN>docker pull shabariganesan/docker_with_flask_form
Using default tag: latest
latest: Pulling from shabariganesan/docker_with_flask_form
1671565cc8df: Pull complete
3e94d13e55e7: Pull complete
fa9c7528c685: Pull complete
53ad072f9cd1: Pull complete
d6b983117533: Pull complete
d8092d56ded5: Pull complete
c71afc637d59: Pull complete
864a10b3c704: Pull complete
4334b2fe8293: Pull complete
8944570703f4: Pull complete
f885911288d0: Pull complete
086f369ca59f: 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-3: Create a Ibm container registry and deploy helloworld app or jobportalapp




```

C:\Windows\system32\cmd.exe
54acb56fa8b: Retrying in 1 second
8d51c618126f: Retrying in 1 second
9ff6e4d6744: Waiting
a80d1d47b5e1: Waiting
055ed1b7428: Waiting
Failed to lookup host: jp.1cr.io

C:\Users\ganil\Desktop\job_portal>docker push jp.1cr.io/ganeshjob/job_portal
Using default tag: latest
The push refers to repository [jp.1cr.io/ganeshjob/job_portal]
15eb1584025: Layer already exists
80e84fb5e186: Layer already exists
48c2a7a4c12b: Layer already exists
9b72c7835466: Layer already exists
bfc1deb8138e: Layer already exists
1f123186024c: Layer already exists
3d5eb1152931: Pushed
190796cdf3b1: Pushed
54acb56fa8b: Retrying in 1 second
8d51c618126f: Pushed
9ff6e4d6744: Pushed
a80d1d47b5e1: Pushed
055ed1b7428: Pushing [=====] | 69.88PB/124PB
C:\Users\ganil\Desktop\job_portal>docker push jp.1cr.io/ganeshjob/job_portal
Using default tag: latest
The push refers to repository [jp.1cr.io/ganeshjob/job_portal]
15eb1584025: Layer already exists
80e84fb5e186: Layer already exists
48c2a7a4c12b: Layer already exists
9b72c7835466: Layer already exists
bfc1deb8138e: Layer already exists
1f123186024c: Layer already exists
3d5eb1152931: Layer already exists
190796cdf3b1: Layer already exists
54acb56fa8b: Pushed
8d51c618126f: Layer already exists
9ff6e4d6744: Layer already exists
a80d1d47b5e1: Layer already exists
055ed1b7428: Pushed
latest: digest: sha256:e92189a7c07eeb9306668a54e896cf61a1ed4a93998c8c7a2147a7963fc207 size: 3852
C:\Users\ganil\Desktop\job_portal>
C:\Users\ganil\Desktop\job_portal>

```

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

The screenshot shows the IBM Cloud MyCluster-Free dashboard. The 'Worker nodes' tab is selected, displaying a table with one node. The node is named '00000069', has a status of 'Normal', and is part of the 'default' worker pool. It is located in the 'MILAN 01' zone with a private IP of '10.144.214.76' and a public IP of '169.127.175.338'. The node's version is '1.23.32_1648'.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000069	Normal	default	MILAN 01	10.144.214.76	169.127.175.338	1.23.32_1648

```

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) 884,677,196 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>

```

```

C:\Windows\System32\cmd.exe
C:\Windows\system32>kubectl expose deployment flask-app --type=NodePort --name=flask-service
The Service "flask-service" is invalid: metadata.name: Invalid value: "flask-service": a DNS-1035 label must consist of lower case alphanumeric characters or '-', start with an alphabetic character, and end with an alphanumeric character (e.g. "my-name", or "abc-123", regex used for validation is "[a-z]([-a-z0-9]*[a-z0-9])?")

C:\Windows\system32>kubectl expose deployment flask-app --type=NodePort --name=flask-service
The Service "flask-service" is invalid: metadata.name: Invalid value: "flask-service": a DNS-1035 label must consist of lower case alphanumeric characters or '-', start with an alphabetic character, and end with an alphanumeric character (e.g. "my-name", or "abc-123", regex used for validation is "[a-z]([-a-z0-9]*[a-z0-9])?")

C:\Windows\system32>kubectl expose deployment flask-app --type=NodePort --name=flask-service
The Service "flask-service" is invalid: metadata.name: Invalid value: "flask-service": a DNS-1035 label must consist of lower case alphanumeric characters or '-', start with an alphabetic character, and end with an alphanumeric character (e.g. "my-name", or "abc-123", regex used for validation is "[a-z]([-a-z0-9]*[a-z0-9])?")

C:\Windows\system32>kubectl expose deployment flask-app --type=NodePort --name=flask-service
Error from server (AlreadyExists): services "flask-service" already exists

C:\Windows\system32>
C:\Windows\system32>kubectl -n kubernetes-dashboard get deploy
^C
C:\Windows\system32>kubectl -n kubernetes-dashboard get deploy
No resources found in kubernetes-dashboard namespace.

C:\Windows\system32>kubectl -n kubernetes-dashboard get deploy
No resources found in kubernetes-dashboard namespace.

C:\Windows\system32>kubectl proxy
Starting to serve on 127.0.0.1:8001
^C
C:\Windows\system32>kubectl -n kubernetes-dashboard get deploy
^C
C:\Windows\system32>kubectl -n kubernetes-dashboard get deploy
No resources found in kubernetes-dashboard namespace.

C:\Windows\system32>kubectl -n kubernetes-dashboard get pods
No resources found in kubernetes-dashboard namespace.

C:\Windows\system32>kubectl expose deployment flask-app --type=NodePort --name=flask-service
Error from server (AlreadyExists): services "flask-service" already exists

C:\Windows\system32>kubectl get ing
NAME CLASS HOSTS ADDRESS PORTS AGE
flask-app-ingress <none> * 80 27m

C:\Windows\system32>kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

```