

Assignment -4

Student Name	DHARANI SANJAI B
Team Id	PNT2022TMID04548
Maximum Marks	2 Marks

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

```
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:c61f28873b1c909786ce991b8b60cd976765077f344e34d50e6cce8cf8d95c3
```

2.Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

14 Images Total size: 1.77 GB

IN USE

UNUSED

Clean up...

Images Give Feedback

LOCAL

REMOTE REPOSITORIES

Q Search

☐ In use only

NAME ↑	TAG	IMAGE ID	CREATED	SIZE
docker/desktop-storage-provisioner	v2.0	99f89471f470	over 1 year ago	41.85 MB
docker/desktop-vpnkit-controller	v2.0	8c2c38aa676e	over 1 year ago	21.03 MB
docker/getting-started	latest	cb90f98fd791	7 months ago	28.78 MB
docker_withflask	latest	1252902fba28	4 days ago	932.79 MB
hello-world	latest	feb5d9fea6a5	about 1 year ago	13.26 KB
jp.icr.io/na-1/hello-world	latest	feb5d9fea6a5	about 1 year ago	13.26 KB
k8s.gcr.io/coredns/coredns	v1.8.6	a4ca41631cc7	about 1 year ago	46.83 MB
k8s.gcr.io/etcd	3.5.3-0	aebe758cef4c	7 months ago	299.5 MB
k8s.gcr.io/kube-apiserver	v1.24.2	d3377ffb7177	5 months ago	129.71 MB

Containers

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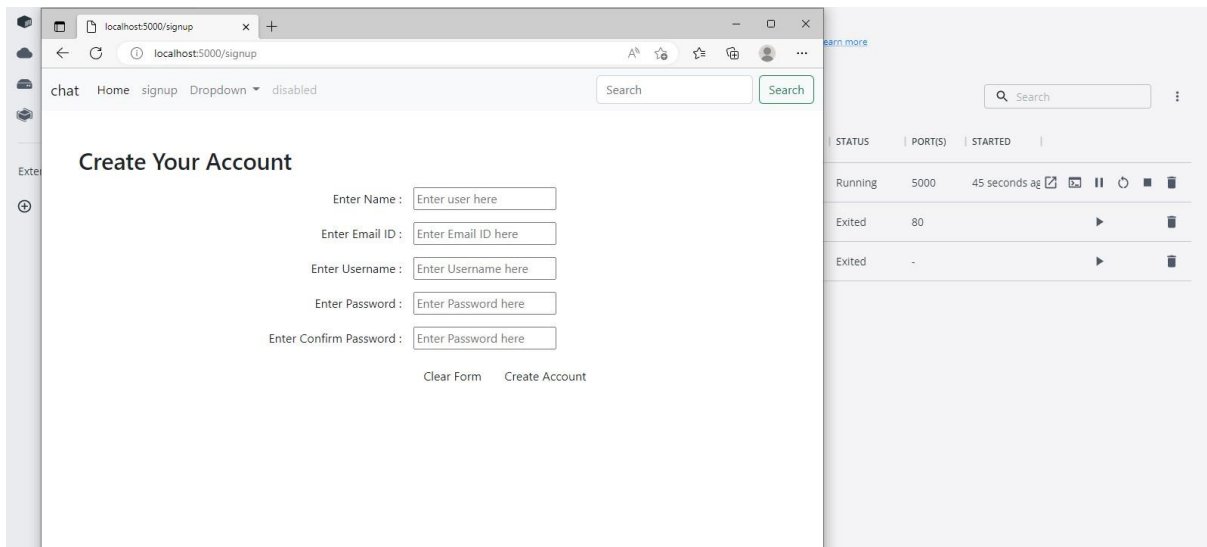
Containers Give Feedback

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

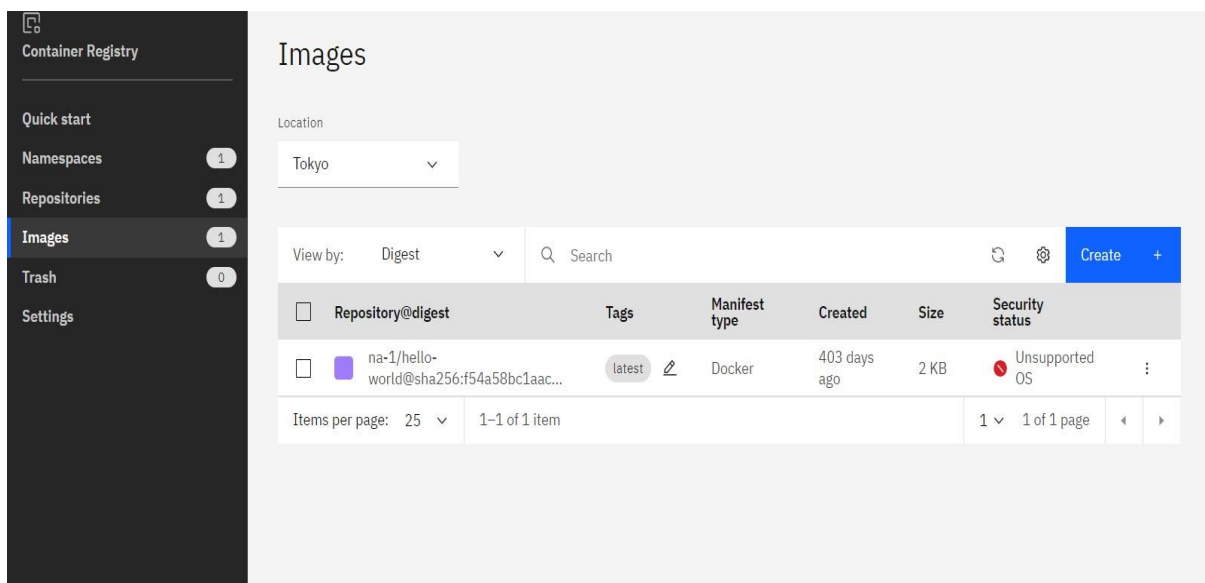
Showing 3 items

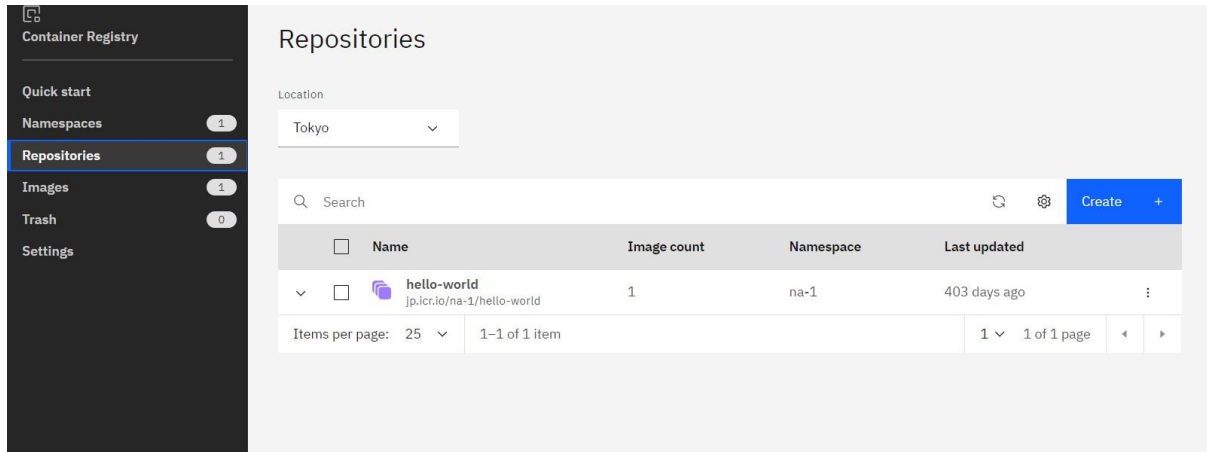
Q Search

<input type="checkbox"/>	NAME	IMAGE	STATUS	PORT(S)	STARTED	
<input type="checkbox"/>	<div>romantic_easley</div> <div>aebc0a80b9b9</div>	docker_withflask:latest	Exited (255)	5000		<div><div></div><div></div></div>
<input type="checkbox"/>	<div>quirky_edison</div> <div>d6eC5a8c270d</div>	docker/getting-started:latest	Exited	80		<div><div></div><div></div></div>
<input type="checkbox"/>	<div>sharp_einstein</div> <div>d7825c1e2048</div>	hello-world:latest	Exited	-		<div><div></div><div></div></div>



3. Create a **IBM container registry** and **push docker image** of flask application or job portal app.





4. Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in nodeport.

Containers

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Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

17 images Total size: 3.05 GB

IN USE

UNUSED

Clean up...

Images

[Give Feedback](#)

LOCAL

REMOTE REPOSITORIES

hubproxy.docker.inte...	kubernetes-v1.2...	5dcc4b79ec39	4 months ago	364.07 MB	
jp.icr.io/na-1/hello-w...	IN USE	latest	feb5d9fea6a5	about 1 year ago	13.26 KB
k8s.gcr.io/coredns/co...	IN USE	v1.8.6	a4ca41631cc7	about 1 year ago	46.83 MB
k8s.gcr.io/etcd	IN USE	3.5.3-0	aebe758cef4c	7 months ago	299.5 MB
k8s.gcr.io/kube-apis...	IN USE	v1.24.2	d3377ffb7177	5 months ago	129.71 MB
k8s.gcr.io/kube-contr...	IN USE	v1.24.2	34cdf99b1bb3	5 months ago	119.35 MB
k8s.gcr.io/kube-proxy	IN USE	v1.24.2	a634548d10b0	5 months ago	109.94 MB
k8s.gcr.io/kube-sche...	IN USE	v1.24.2	5d725196c1f4	5 months ago	50.99 MB
k8s.gcr.io/pause	IN USE	3.7	221177c6082a	8 months ago	711.18 KB
srividhyag/docker_wi...	IN USE	latest	1252902fba28	6 days ago	932.79 MB

RAM 4.73GB

CPU 18.30%

Connected to Hub

v4.11.1