Assignment -4 Docker and kubernetes

Date	12 Nov 2022
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Roll No.	412519104026
Maximum Marks	2 Marks

1. Pull an image from docker hub:

```
Centino@Centino:-/Downloads docker pull hello-world

Using default tag: latest
Latest: Pulling from Library/hello-world

2db297101228: Pull complete
Digest: sha256:fa0a082786027f672f34423fccceeec2398cc8a5759259f94d99078f264e9d7af

Status: Downloaded newer image for hello-world:latest
docker.to/library/hello-world:latest
centino@Centino:-/Downloads docker run hellor-world
Unable to find image 'hellor-world:latest' locally
docker: Error response from daemon: pull access denied for hellor-world, repository does not exist or may require 'docker login': denied: r
cess to the resource is denied.

See 'docker run --help'.
centino@Centino:-/Downloads docker run hello-world

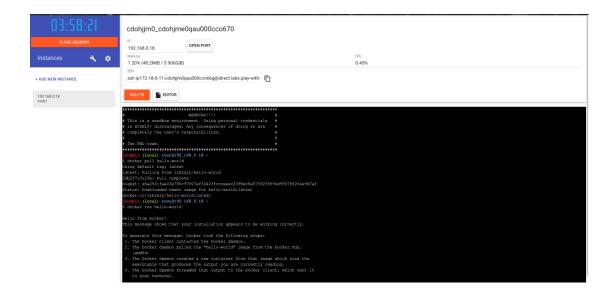
Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the 'hello-world' image from the Docker Hub.
(and04)
3. The Docker daemon created a new container from that image which runs the
executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
to your terminal.

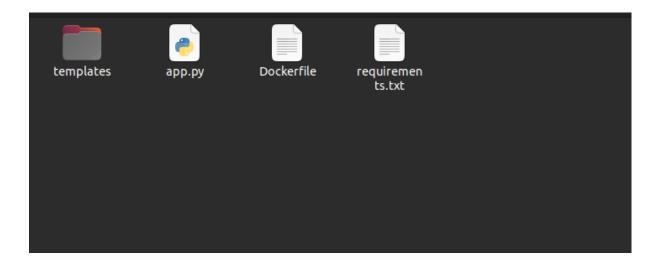
To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

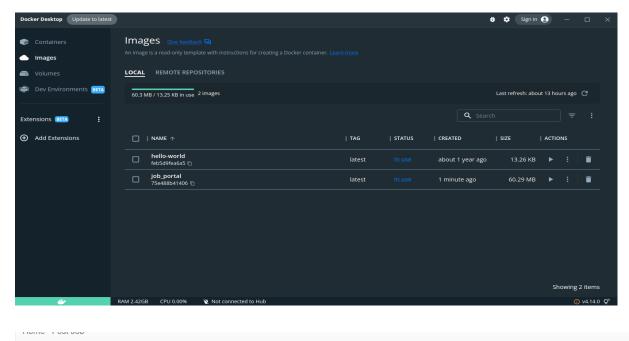
Share images, automate workflows, and more with a free Docker ID:
https://ducs.docker.com/get-started/
```

Run in docker playground



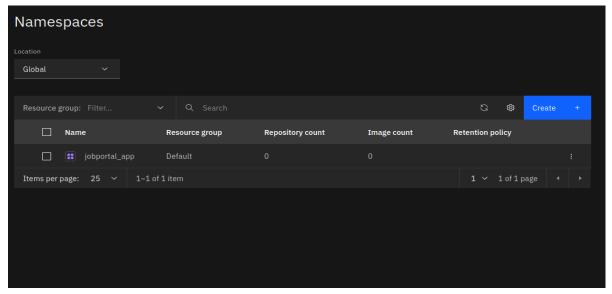
2. create job portal application and deploy in desktop application

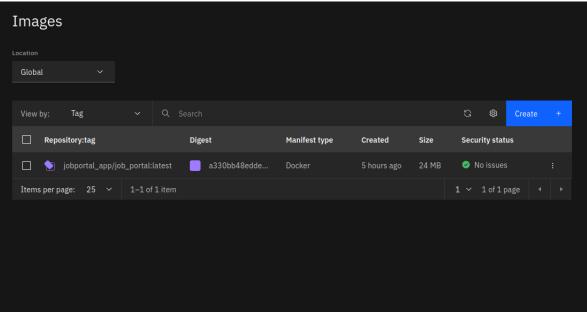




Organization Name: Gokulaa Krishnaa S
Location: Madurai
Job Role: Project Trainee
Eligibility: B.E.
Experience: 1+ year
Compensation 10 lpa
Service Agreement: 2 years
Apply Within: 30 days

3. Create a IBM container registry and deploy helloworld app or jobportalapp





```
Assignment-4/job_portal$ docker push icr.io/jobportal_app/job_portal:latest
The push refers to repository [icr.io/jobportal_app/job_portal]
d79e0f87ac77: Pushed
a7d0fb0f4d88: Pushed
239e9b79a6d1: Pushed
ac84985c9810: Pushed
c55472592ad7: Pushed
333f96496727: Pushed
2edf98458dc1: Pushed
f80ab90a8af0: Pushed
e5e13b0c77cb: Pushed
latest: digest: sha256:a330bb48edded3e198865e0c54a81543adcea2deb38baef2dfa55428e
78f5e30 size: 2200
```

4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport

