Assignment -4 Docker and kubernetes

Date	12 Nov 2022
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Maximum Marks	2 Marks

1. Pull an image from docker hub:

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

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

2db297101229: Pull complete
Digest: sha256:fa3042786c97f87ef34423fccceeec2398cc8a5759259f94d99078f264e9d7af

Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
docker.io/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.

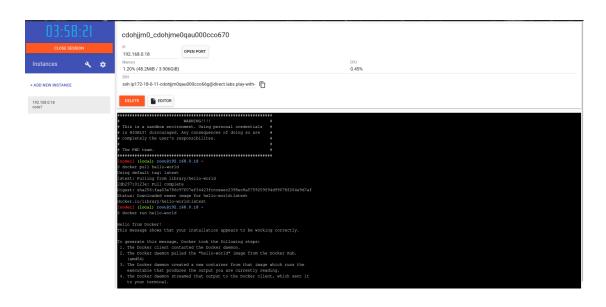
To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the 'hello-world' image from the Docker Hub.
(amd04)
3. The Docker daemon created a new container from that image which runs the
executable that produces the output 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

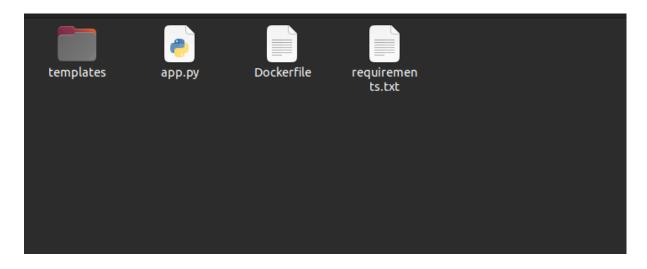
Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

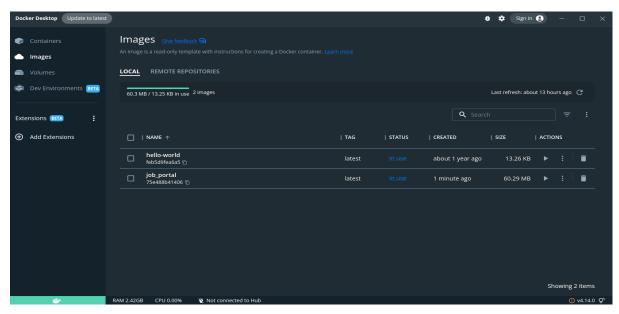
For more examples and ideas, visit:
https://docs.docker.com/get-started/
```

Run in docker playground



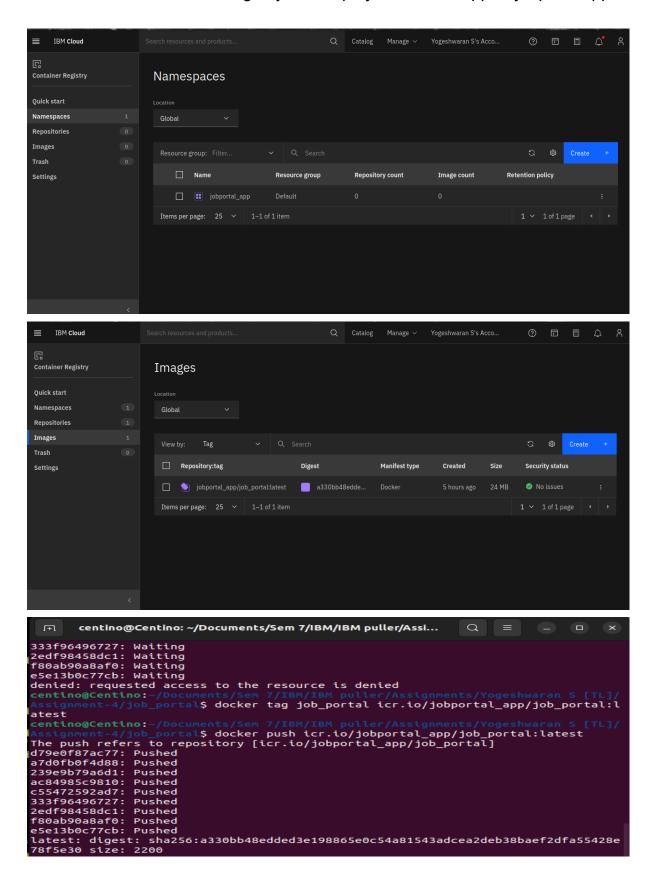
2. create job portal application and deploy in desktop application







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



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

