Assignment-4

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Question 1:

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

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Vindows PowerShell

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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Admin> docker pull hello-world

Jsing default tag: latest

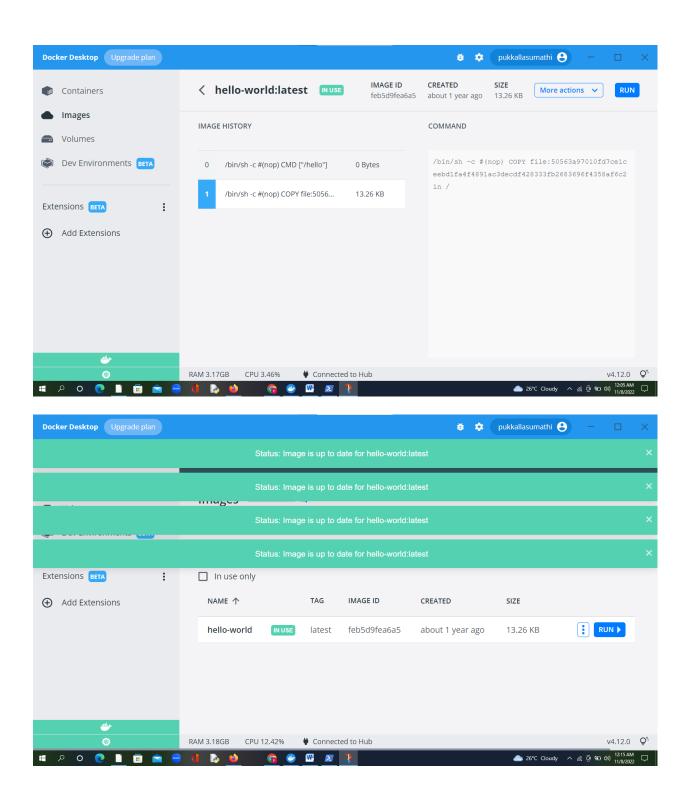
latest: Pulling from library/hello-world

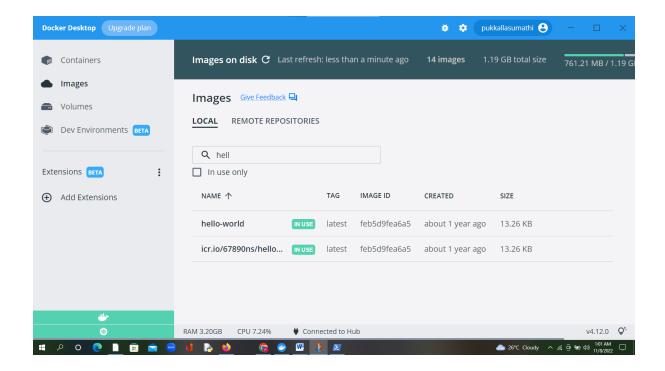
Digest: sha256:e18f0a777aefabe047a67lab3ec3eed05414477c95lab1a6f352a06974245fe7

Status: Image is up to date for hello-world:latest

docker.io/library/hello-world:latest

PS C:\Users\Admin>





Question 2:

Create a docker file for the job portal application application and deploy it in Docker desktop application.

FROM helloworld:sk

WORKDIR ~/Desktop/

ADD . helloworld/

WORKDIR~/Desktop/IBMproj

RUN pip install -r requirements

RUN chmod +x app.sh

CMD ["/bin/sh","app.sh"]

Question 3:

Create a IBM container registery and deploy helloworld app or job portal app.

```
PS C:\WINDOWS\system32> docker tag hello-world icr.io/67890ns/hello-world
PS C:\WINDOWS\system32> docker push icr.io/67890ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/67890ns/hello-world]
e07ee1baac5f: Mounted from 54321ns/hello-world
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
PS C:\WINDOWS\system32> ibmcloud cr image-list
Listing images...
```

Question 4:

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

