

ASSIGNMENT – 4

STUDENT NAME	Monica R
REGISTER NUMBER	311419104059

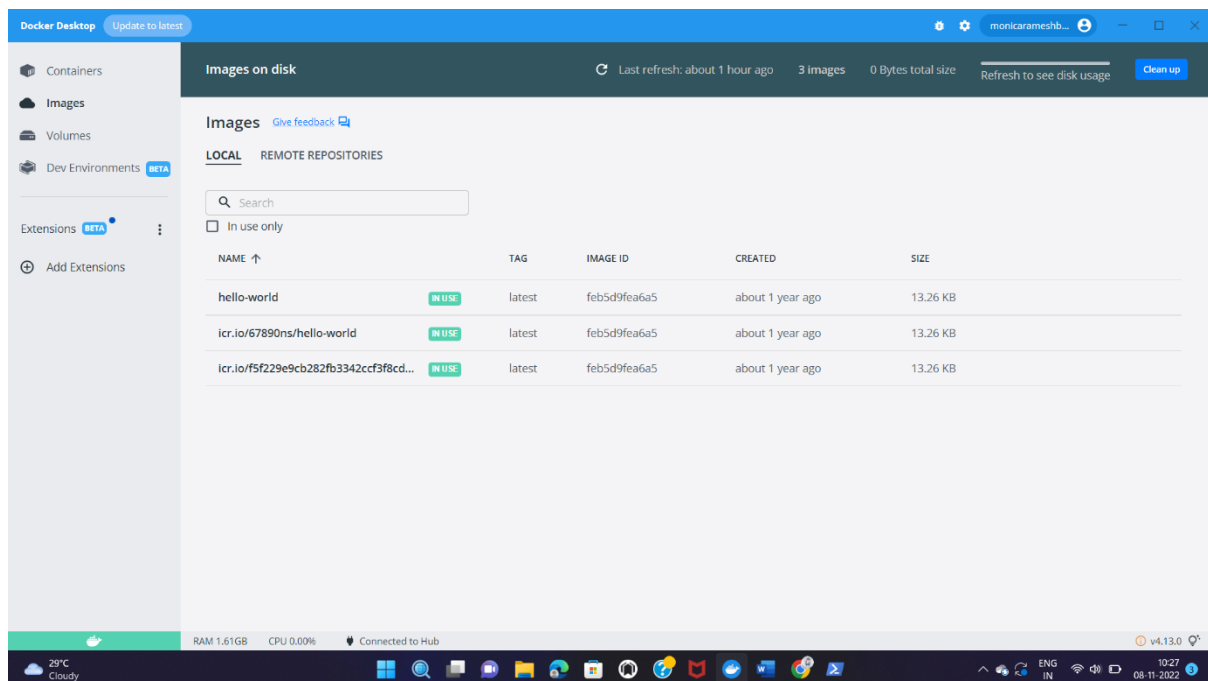
QUESTION 1:

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

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\padhu> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2ab29710123e: Pull complete
Digest: sha256:e18f0a777ae047a671ab3ec3eed95414477c951ab1a6f352a06974245fe7
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
PS C:\Users\padhu>
```



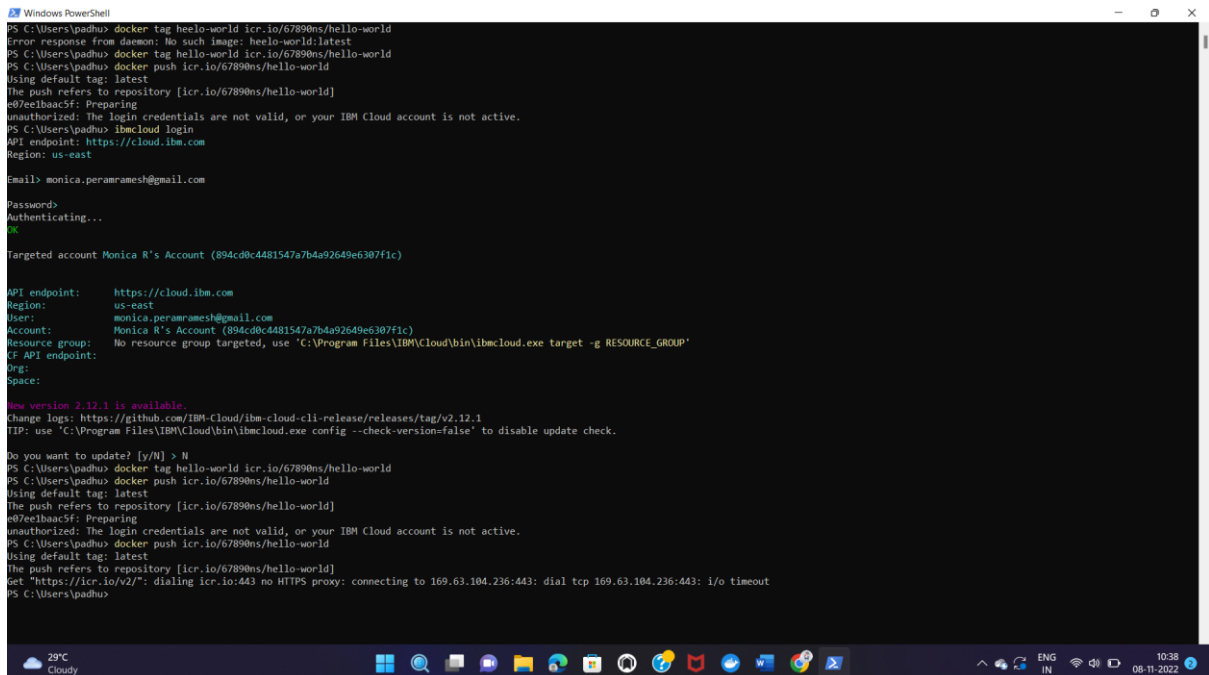
QUESTION 2:

Create a docker file for the job portal 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 register and deploy hello world app or job portal app.



```
Windows PowerShell
PS C:\Users\padhu> docker tag heelo-world icr.io/67890ns/hello-world
Error response from daemon: No such image: heelo-world:latest
PS C:\Users\padhu> docker tag hello-world icr.io/67890ns/hello-world
PS C:\Users\padhu> docker push icr.io/67890ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/67890ns/hello-world]
e07e1baac5f: Preparing
unauthorized: The login credentials are not valid, or your IBM Cloud account is not active.
PS C:\Users\padhu> ibmcloud login
API endpoint: https://cloud.ibm.com
Region: us-east
Email: monica.peramramesh@gmail.com
Password:
Authenticating...
Targeted account Monica R's Account (894cd0c4481547a7b4a92649e6307f1c)
API endpoint: https://cloud.ibm.com
Region: us-east
User: monica.peramramesh@gmail.com
Account: Monica R's Account (894cd0c4481547a7b4a92649e6307f1c)
Resource group: No resource group targeted, use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe target -g RESOURCE_GROUP'
Org:
Space:
New version 2.12.1 is available.
Change logs: https://github.com/IBM-Cloud/ibm-cloud-cli-release/releases/tag/v2.12.1
TIP: use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe config --check-version=false' to disable update check.
Do you want to update? [y/N] > N
PS C:\Users\padhu> docker tag hello-world icr.io/67890ns/hello-world
PS C:\Users\padhu> docker push icr.io/67890ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/67890ns/hello-world]
e07e1baac5f: Preparing
unauthorized: The login credentials are not valid, or your IBM Cloud account is not active.
PS C:\Users\padhu> docker push icr.io/67890ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/67890ns/hello-world]
Get "https://icr.io/v2/": dialing icr.io:443 no HTTPS proxy: connecting to 169.63.104.236:443: dial tcp 169.63.104.236:443: i/o timeout
PS C:\Users\padhu>
```

QUESTION 4:

Create a Kubernetes cluster in IBM cloud and deploy hello world images or job portal images and also expose the same app to run in node port.

