

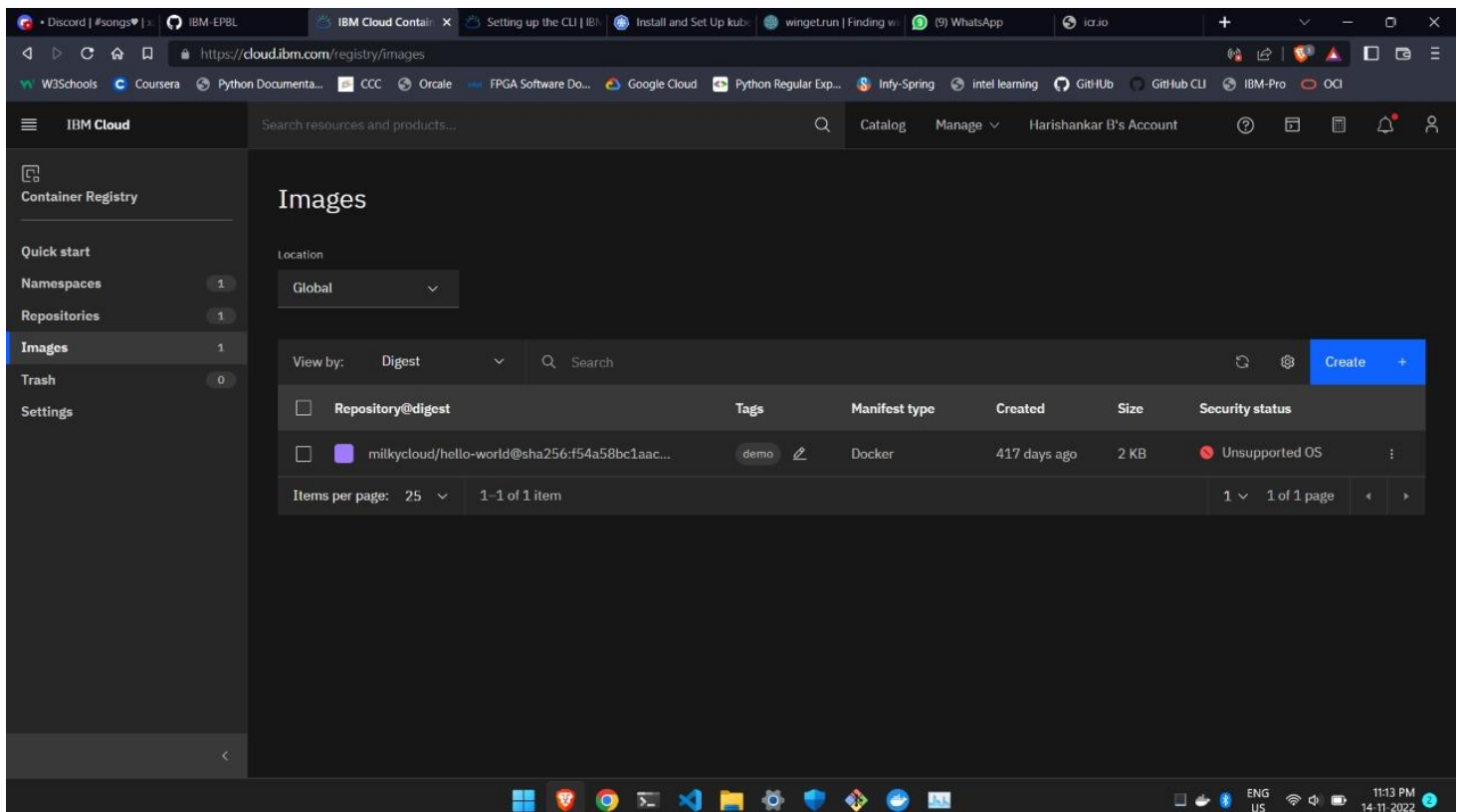
## ASSIGNMENT-4

Assignment Date	15 November 2022
Team ID	PNT2022TMID54335
Maximum Marks	2 Marks

### Question 1:

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

```
PS C:\Windows\system32> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest
PS C:\Windows\system32>
```



## Question 2:

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

FROM

helloworld:latest

WORKDIR ~/Desktop/

ADD . helloworld/

WORKDIR ~/Desktop/htmlfile

RUN pip install -r requirements

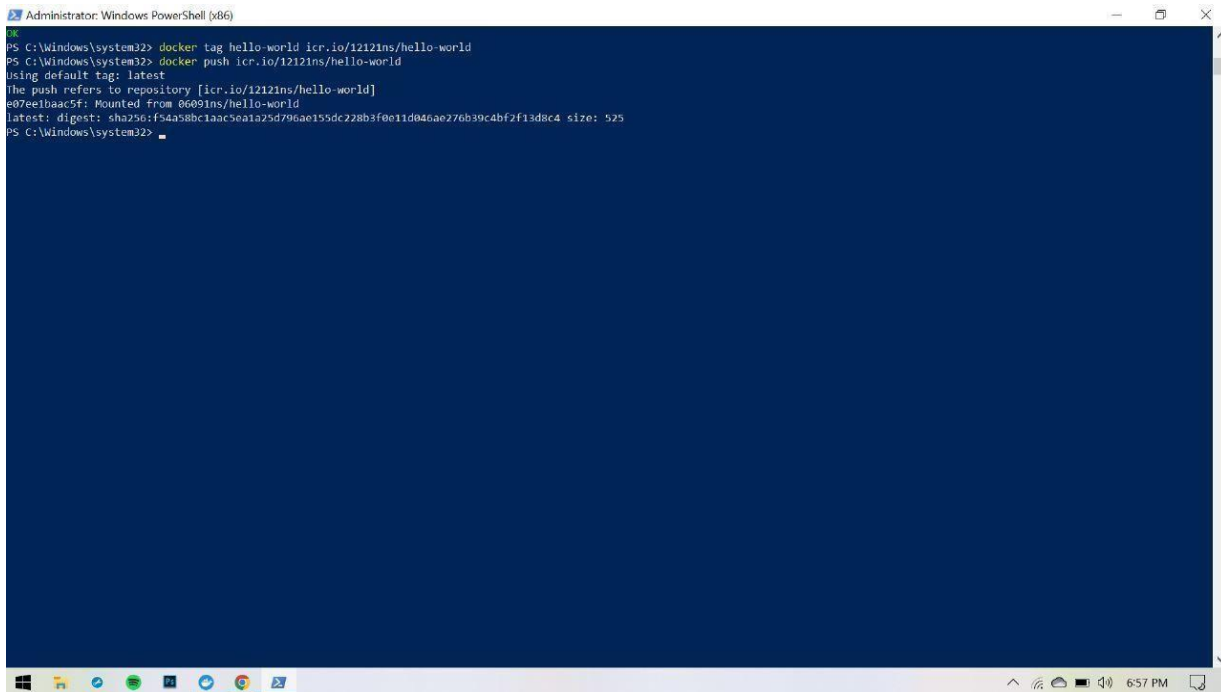
RUN chmod +x app.sh

CMD

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

## Question 3:

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



```
Administrator: Windows PowerShell (x86)
PS C:\Windows\system32> docker tag hello-world icr.io/12121ns/hello-world
PS C:\Windows\system32> docker push icr.io/12121ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/12121ns/hello-world]
e07ee1baac5f: Mounted from 06091ns/hello-world
latest: digest: sha256:ff4a38bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
PS C:\Windows\system32>
```

#### Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or

The screenshot displays the IBM Cloud Kubernetes dashboard for a cluster named 'mycluster-free'. The cluster is in the 'Preparing master, workers...' state and expires in 30 days. The 'Worker nodes' section shows a single node with the name '0000008c', status 'Provision pending', worker pool 'default', zone 'Milan 01', and version '1.24.6\_1541'. The dashboard includes a sidebar with navigation options like 'Overview', 'Worker nodes', 'Worker pools', and 'DevOps'. A right-hand 'Help' menu lists actions such as 'Log in to your cluster', 'Deploy your app', and 'Expose your app'. The bottom of the image shows a Windows taskbar with various application icons and system information like '25°C Cloudy' and the date '01-11-2022'.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
0000008c	Provision pending	default	Milan 01			1.24.6_1541

