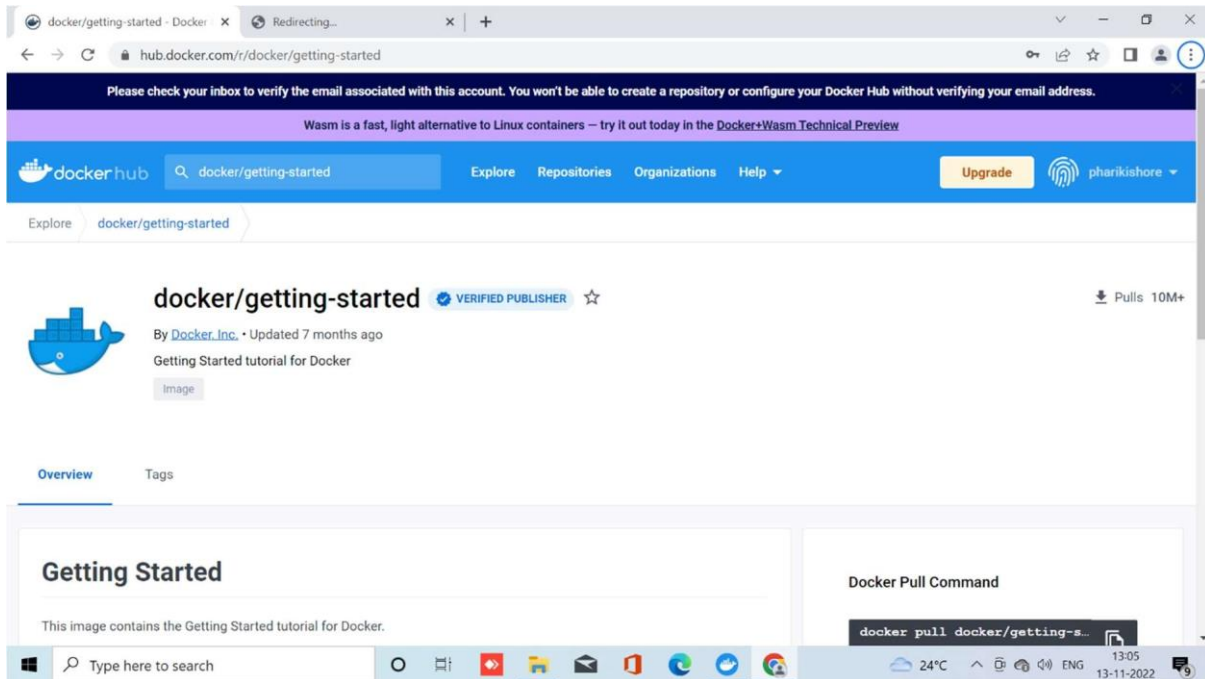


Assignment-4(R V Shamitha-111619104137)

TASK-1) Pull an image from dockerhub and run it in Docker Playground

- **PULL AN IMAGE FROM DOCKER HUB VIA COPIYING COMMAND**



- **PASTE AND RUN THE COMMAND IN CMD TO PULL THE IMAGE**

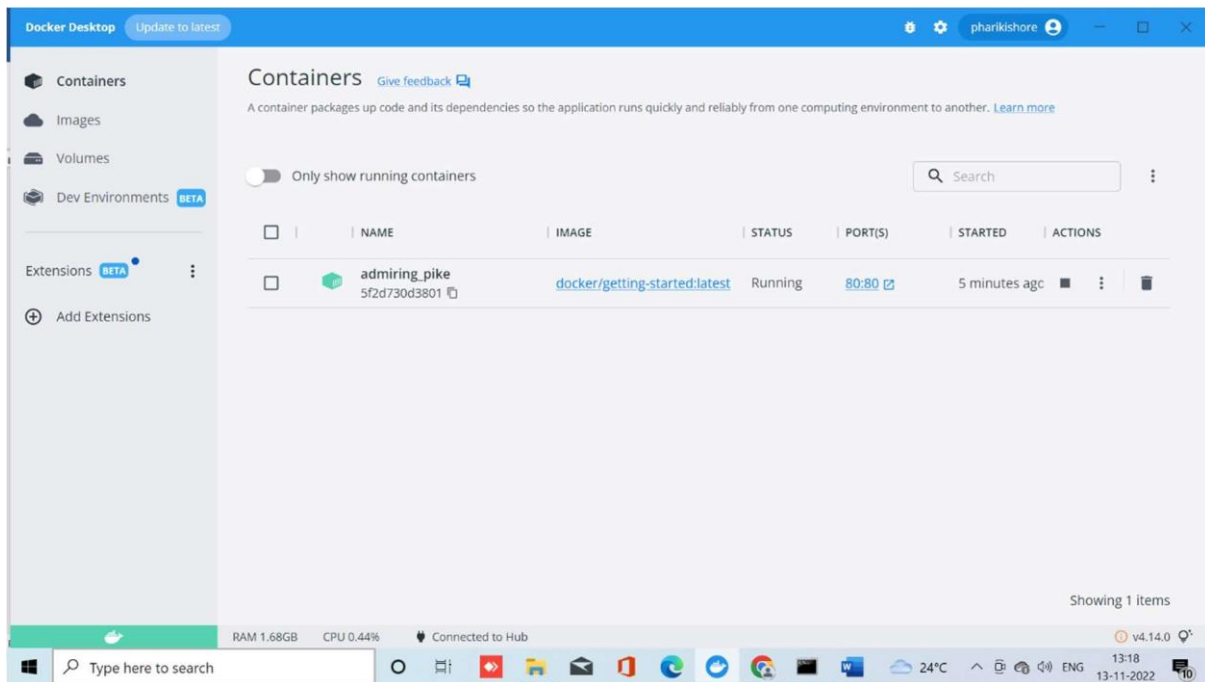
```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>

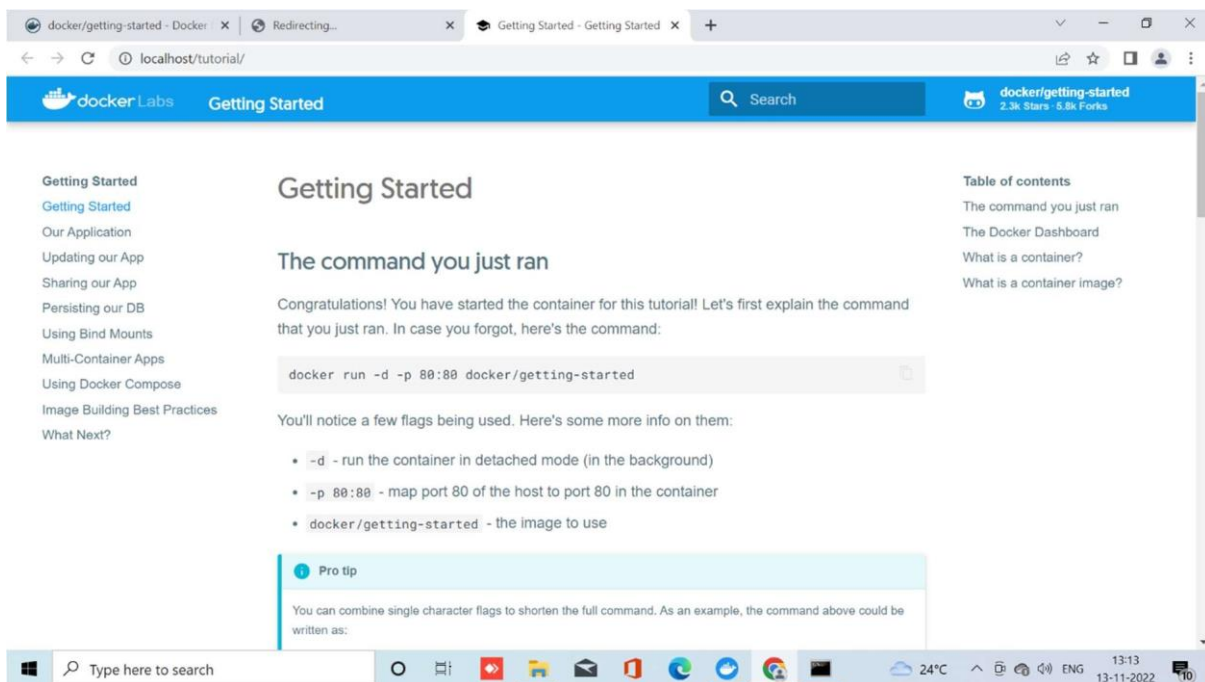
C:\Users\LENOVO>docker pull docker/getting-started
Using default tag: latest
latest: Pulling from docker/getting-started
df9b9388f04a: Pull complete
5867cba5fcbd: Pull complete
4b639e65cb3b: Pull complete
061ed9e2b976: Pull complete
0c19f3e8eeb1: Pull complete
4071be97c256: Pull complete
79b586f1a54b: Pull complete
0c9732f525d6: Pull complete
Digest: sha256:b558ba874169471bd4e65bd6eac8c303b271a7ea8553ba47481b73b2bf597aae
Status: Downloaded newer image for docker/getting-started:latest
docker.io/docker/getting-started:latest

C:\Users\LENOVO>
```

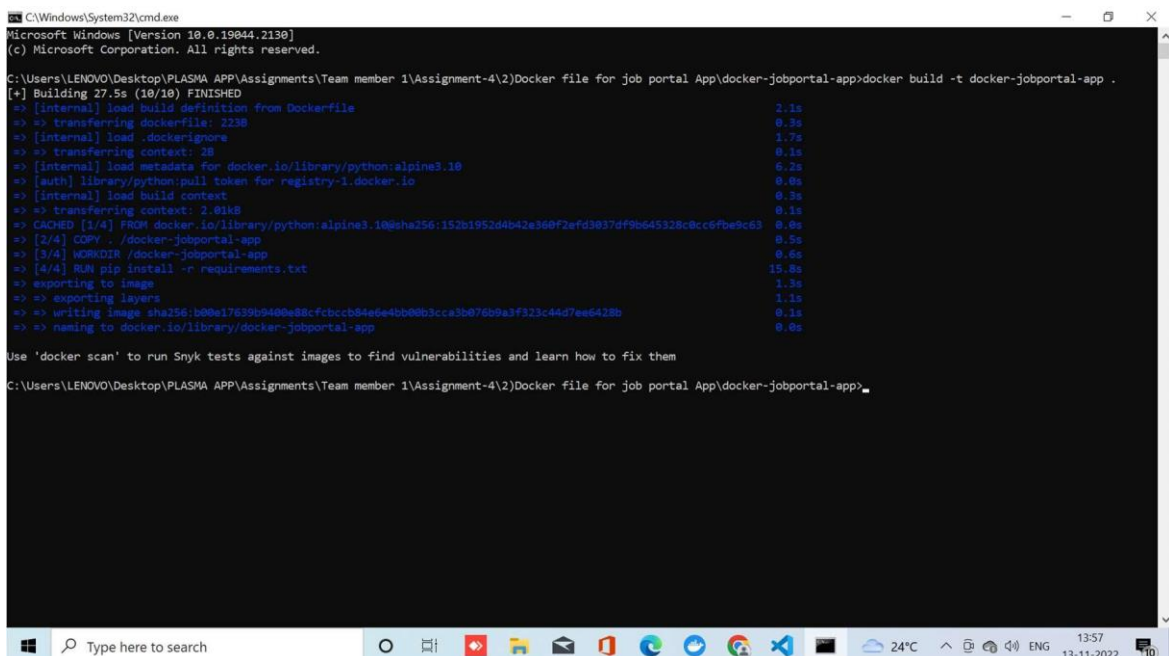
- **IMAGE IS RUNNING IN DOCKER DESKTOP**



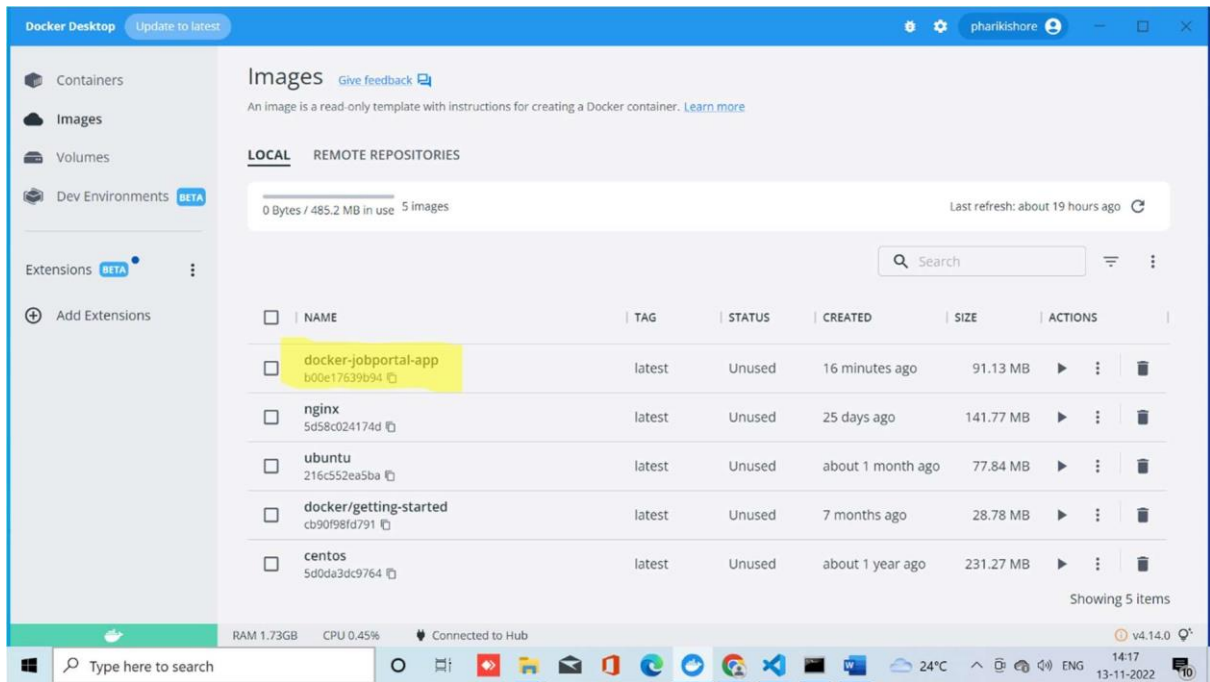
- **IMAGE IS RUNNING IN LOCALHOST**



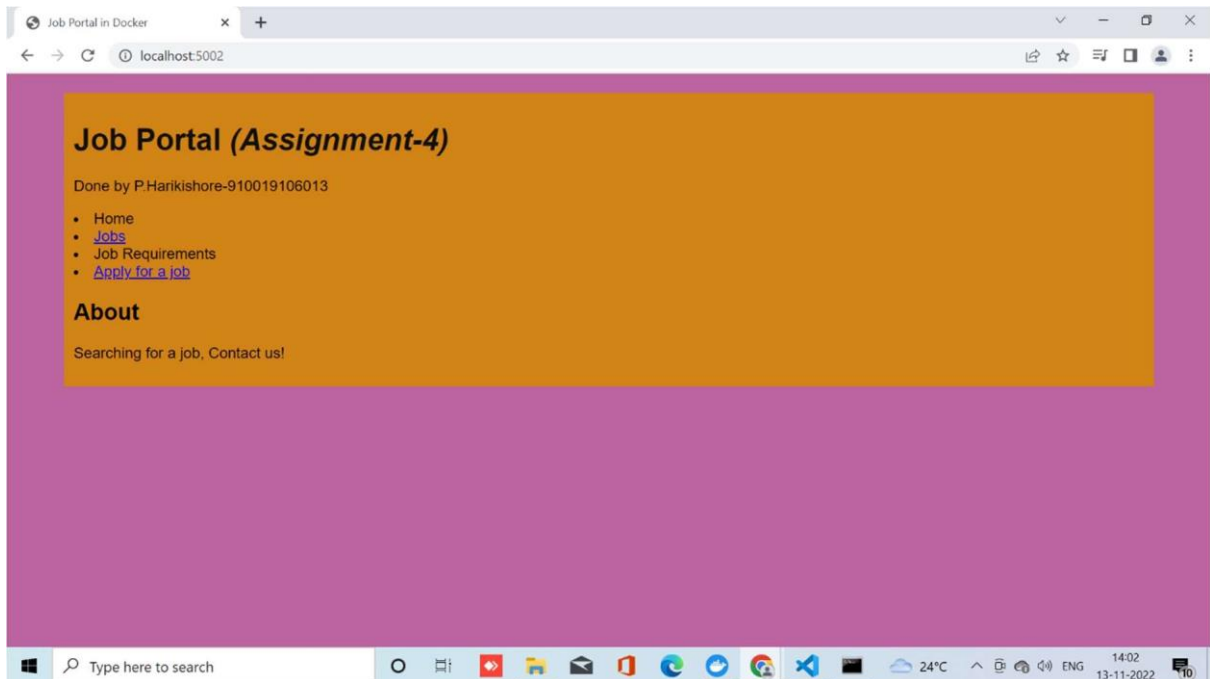
TASK-1 SUCCESSFULLY COMPLETED!



- RUN THE JOB PORTAL APP DOCKER IMAGE USING CMD



- CHECK IN LOCALHOST:5002 FOR JOB PORTAL APP IN DOCKER

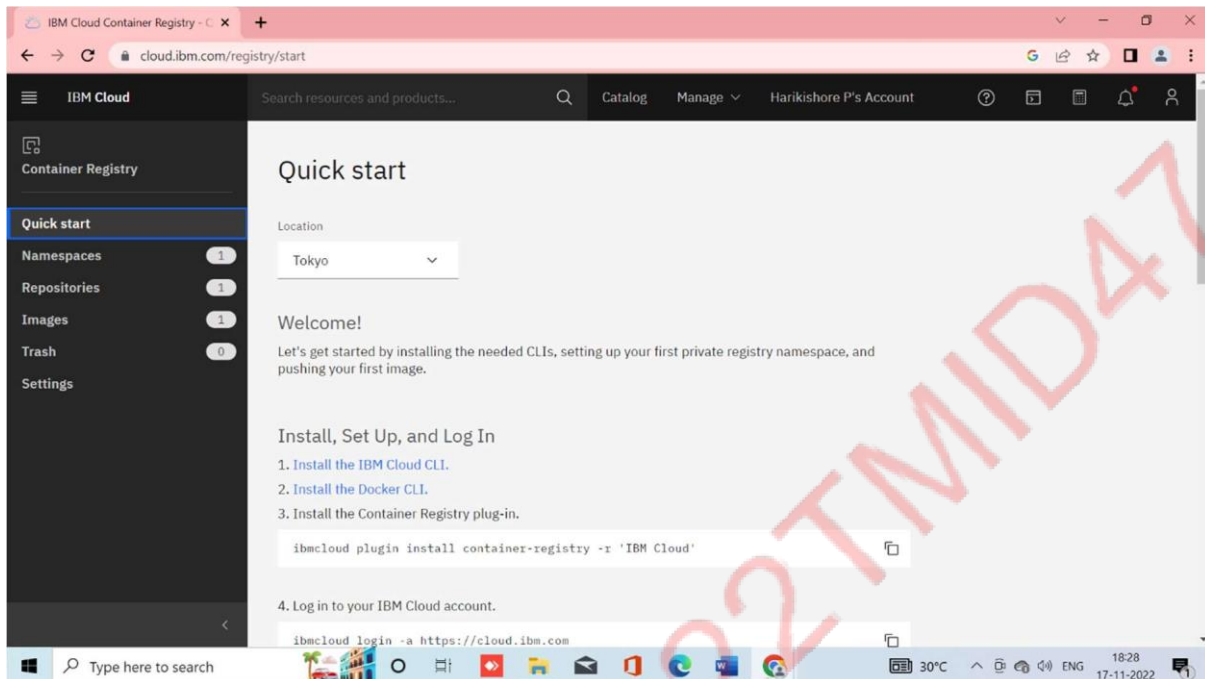


TASK-2 COMPLETED SUCCESSFULLY!

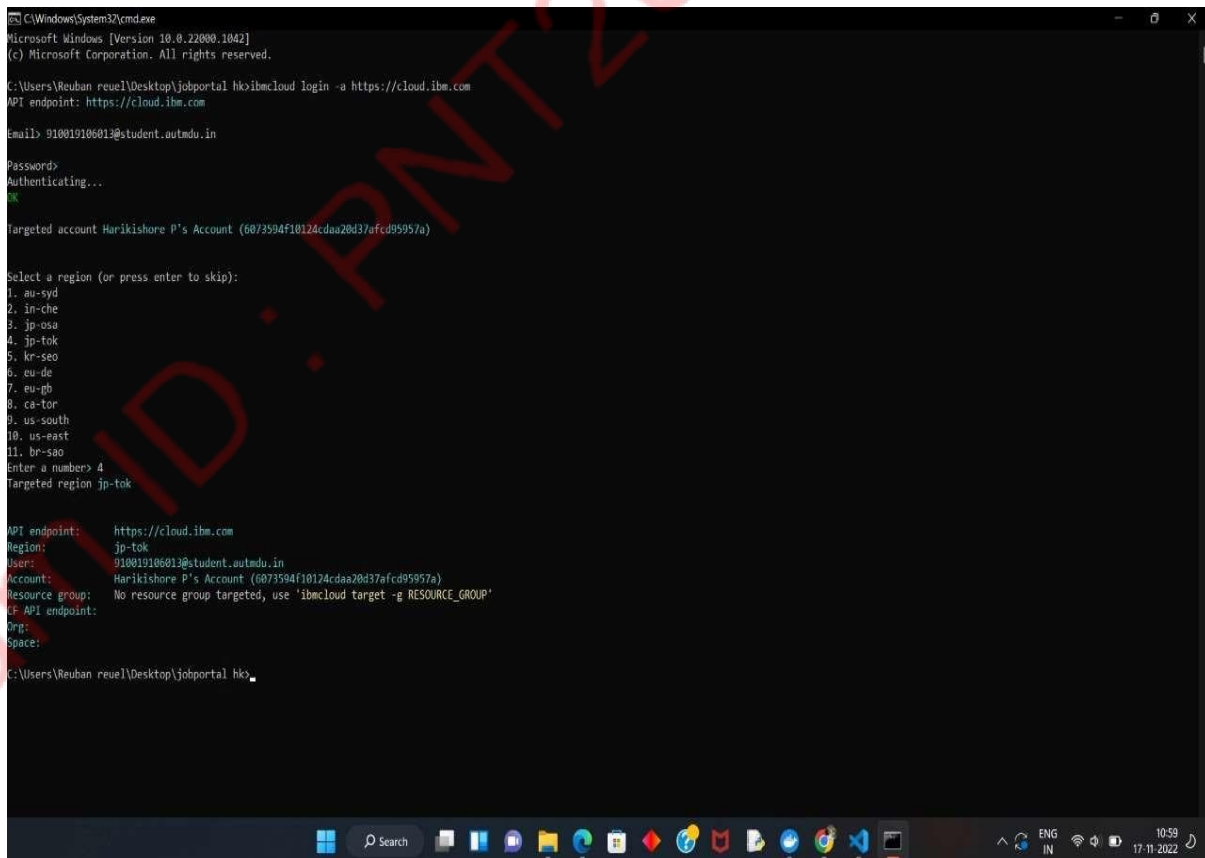
Assignment-4(R V Shamitha-111619104137)

TASK-3) Push the Docker image for job portal app to IBM Container Registry

- LOGIN TO IBM CLOUD AND CREATE IBM CONTAINER REGISTRY**



- LOGIN TO IBM CLOUD CLI USING CMD**



- LOGIN TO DOCKER CLI AND PUSH THE IMAGE TO IBM CONTAINER REGISTRY

```
C:\Windows\System32\cmd.exe
C:\Users\Reuban reuel\Desktop\docker-jobportal-app>ibmcloud cr namespace-add harikishore
No resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.
Adding namespace 'harikishore' in resource group 'Default' for account Harikishore P's Account in registry jp.icr.io...
Successfully added namespace 'harikishore'

C:\Users\Reuban reuel\Desktop\docker-jobportal-app>ibmcloud cr login
Logging 'docker' in to 'jp.icr.io'...
Logged in to 'jp.icr.io'.

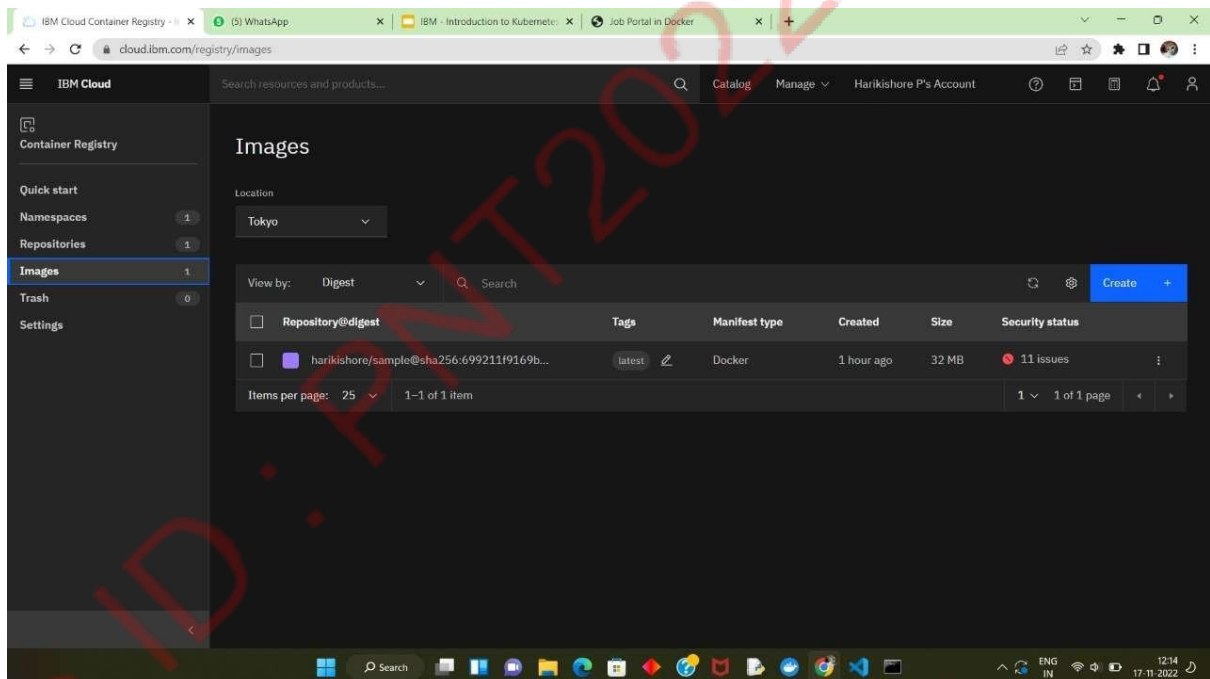
C:\Users\Reuban reuel\Desktop\docker-jobportal-app>docker tag docker-jobportal-app jp.icr.io/harikishore/sample:latest

C:\Users\Reuban reuel\Desktop\docker-jobportal-app>docker push jp.icr.io/harikishore/sample:latest
The push refers to repository [jp.icr.io/harikishore/sample]
e5daeca6eb0e: Pushed
5f70bf18a086: Pushed
ab15e919bf40: Pushed
4e63322489a3: Pushed
798f2bf6d71c: Pushed
e1c1f40b85cc: Pushed
057be770731c: Pushed
1b3ee3baacca: Pushed
latest: digest: sha256:699211f9169beca8cca7357efcd36975975f5b34cc8b788724b24611cef9957 size: 1993

C:\Users\Reuban reuel\Desktop\docker-jobportal-app>ibmcloud cr image-list
Listing images...

Repository      Tag      Digest      Namespace      Created      Size      Security status
jp.icr.io/harikishore/sample  latest  699211f9169b  harikishore    7 minutes ago  32 MB    -
```

- OUTPUT IN IBM CONTAINER REGISTRY

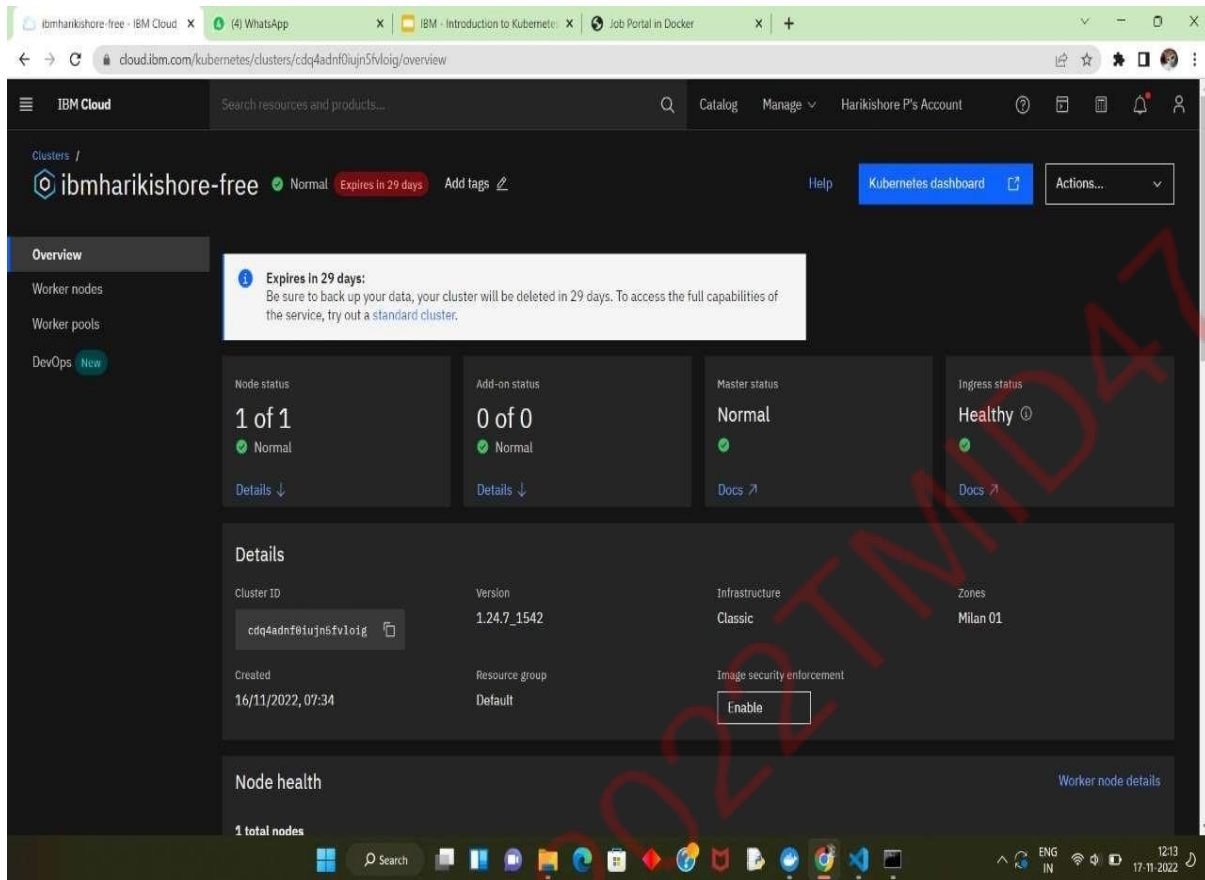


TASK-3) COMPLETED SUCCESSFULLY!

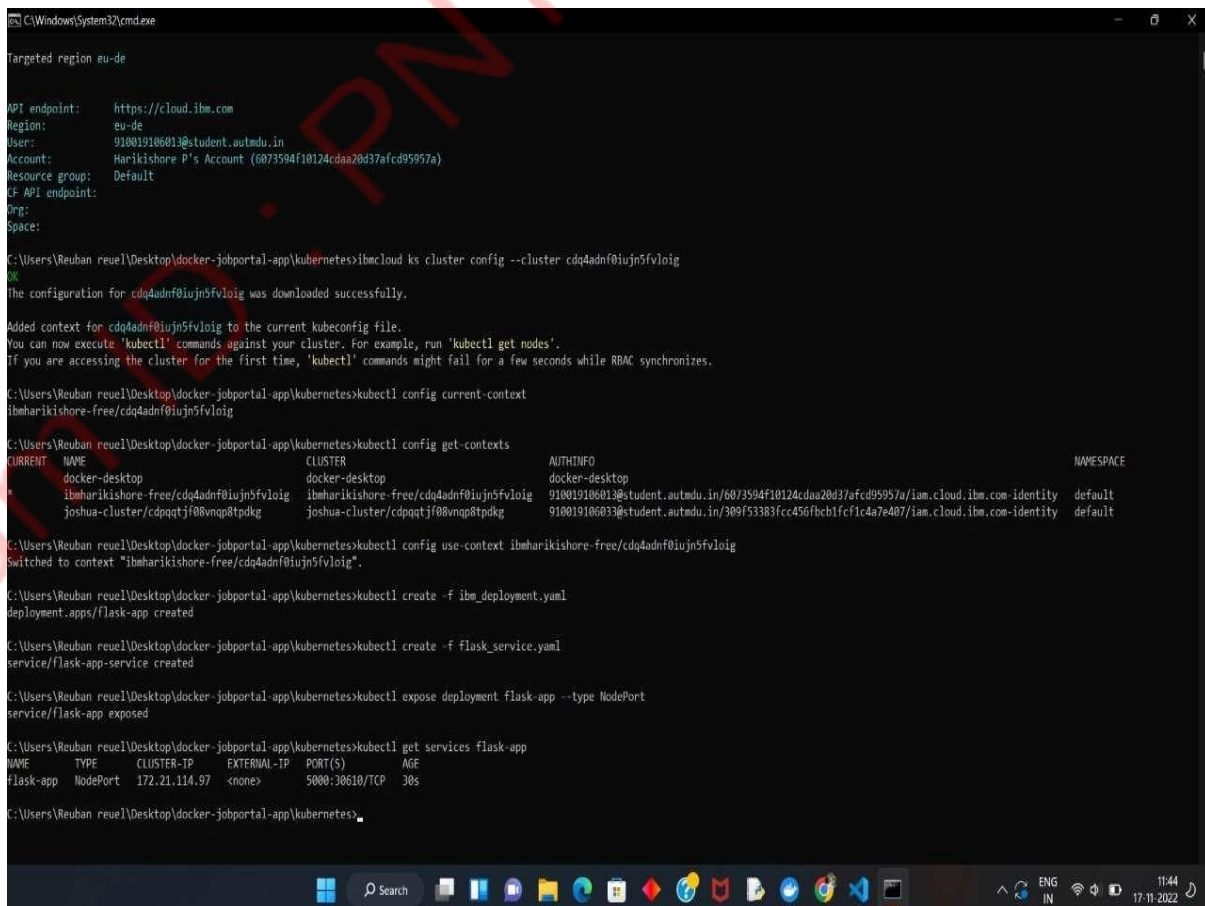
Assignment-4(R V Shamitha-111619104137)

TASK-4): Create Kubernetes cluster in IBM cloud and deploy job portal app in Kubernetes cluster

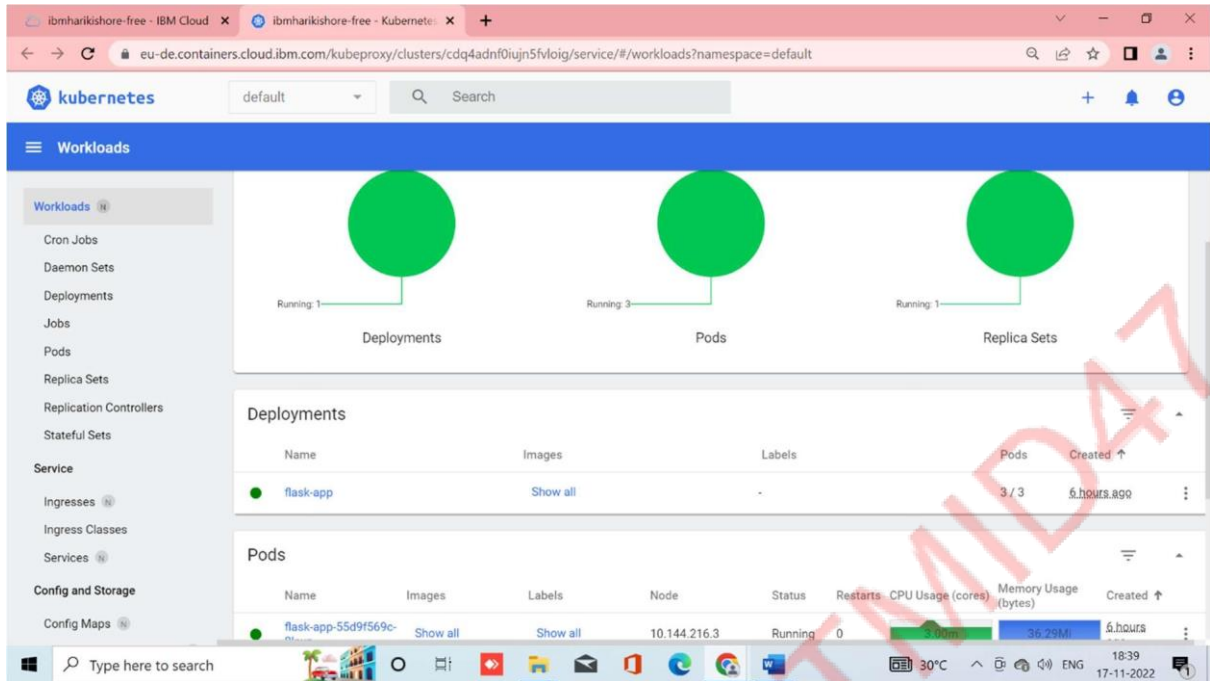
- **Create Kubernetes Cluster in IBM Cloud**



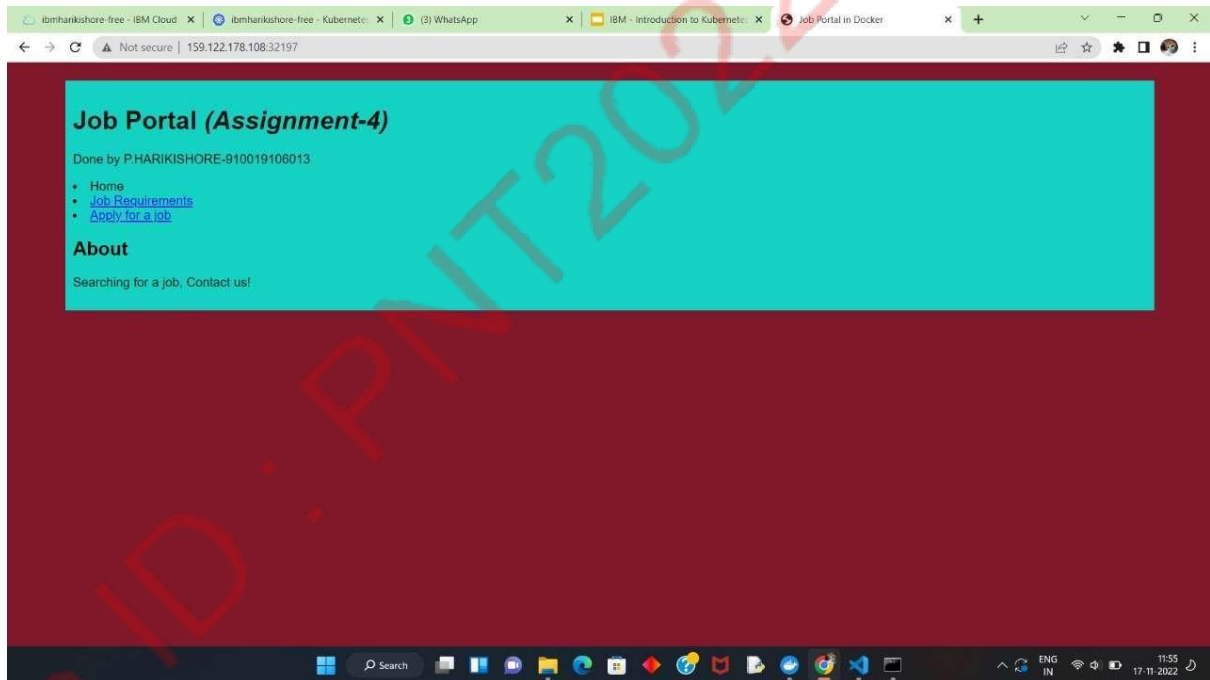
- **Deploy job-portal-app in Kubernetes Cluster using CMD**



- **Generate NodePort Link and check in IBM Kubernetes Dashboard**



- **Check for job portal in Node Link**



TASK-4) COMPLETED SUCESSFULLY!