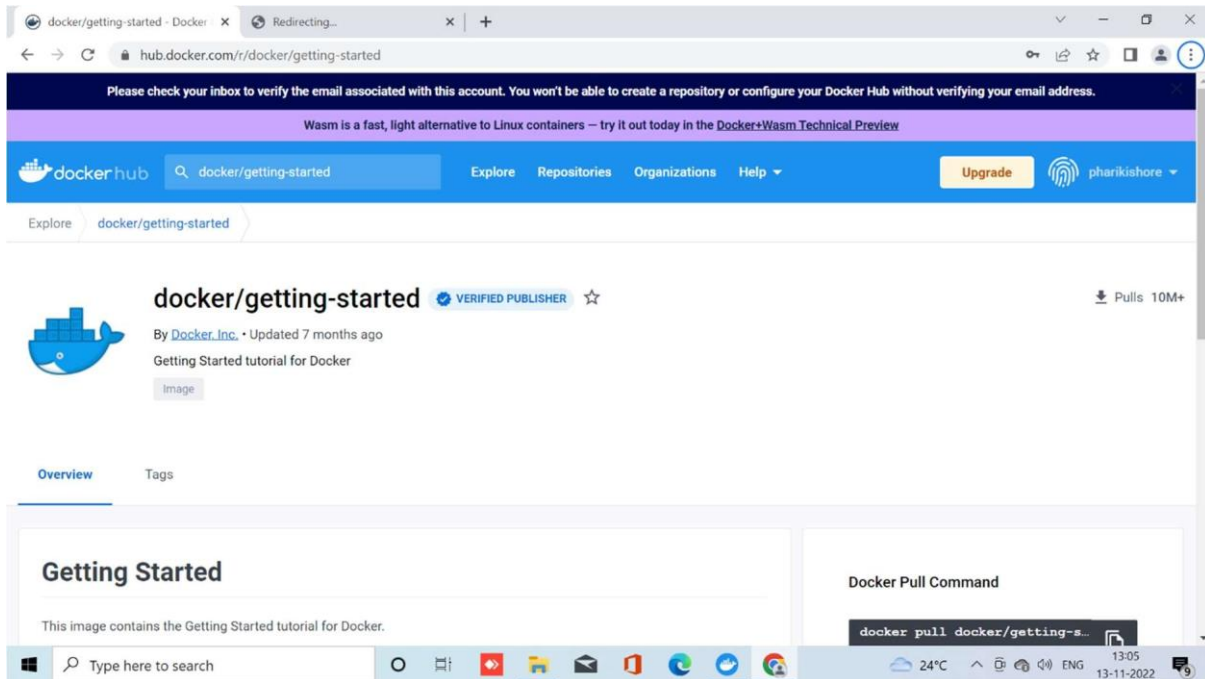# Assignment-4(R V Shamitha-11161910413Z)

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

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

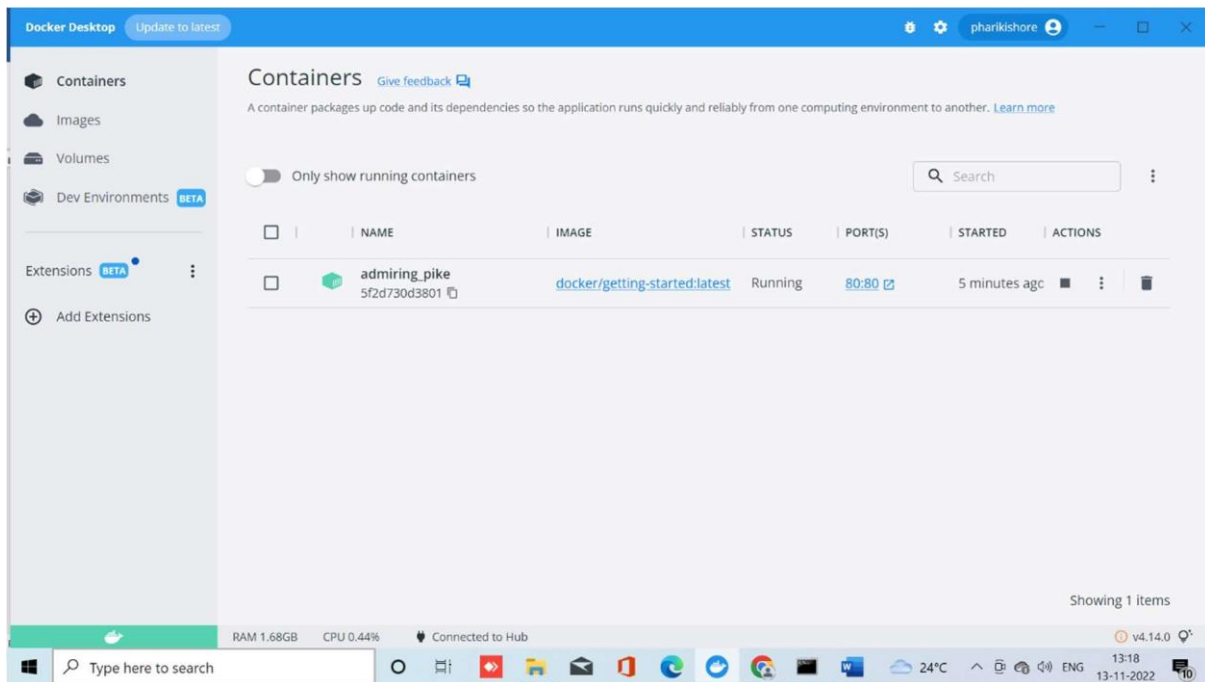- **PASTE AND RUN THE COMMAND IN CMD TO PULL THE IMAGE**

- **IMAGE IS RUNNING IN DOCKER DESKTOP**

- **IMAGE IS RUNNING IN LOCALHOST**
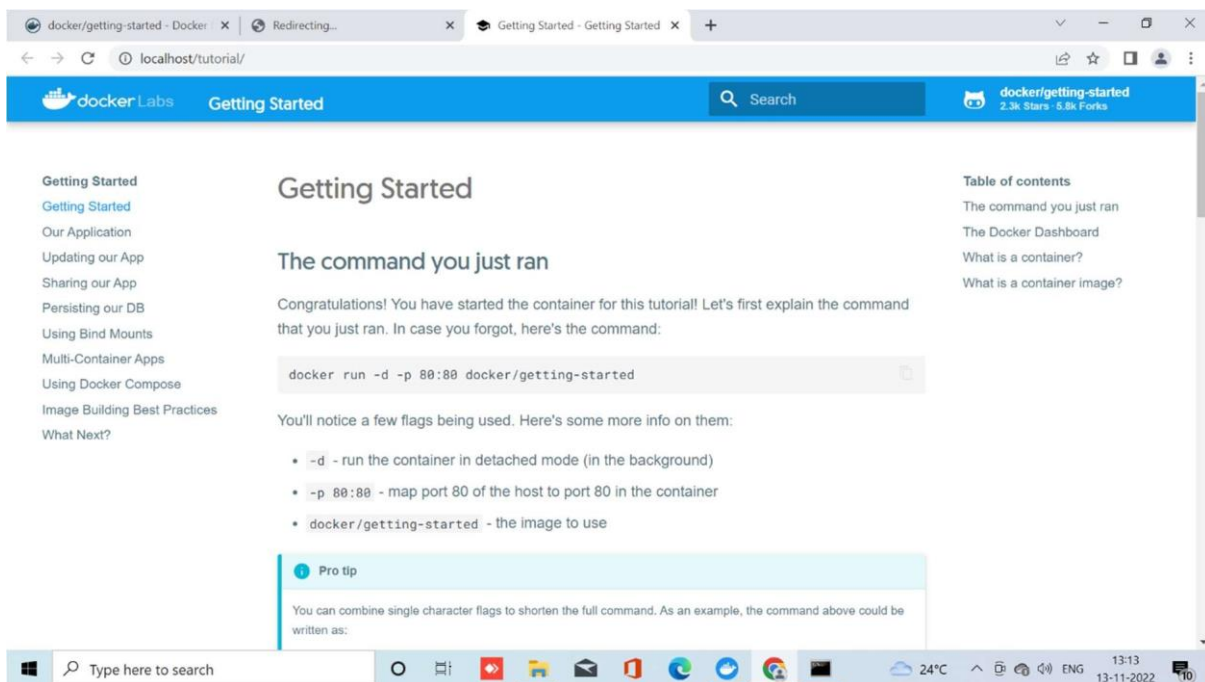
TASK-1 SUCCESSFULLY COMPLETED!

Assignment-4(R V Shamitha-11619104137)

TASK-2) Create a Dockerfile for job portal app and deploy it in docker desktop

- **CREATE A FLASK APP FOR JOB PORTAL AND ADD DOCKER FILE AND NECESSARY REQUIREMENTS**

- **BUILD A DOCKER IMAGE IN DOCKER DESKTOP FOR JOB PORTAL APP USING CMD**
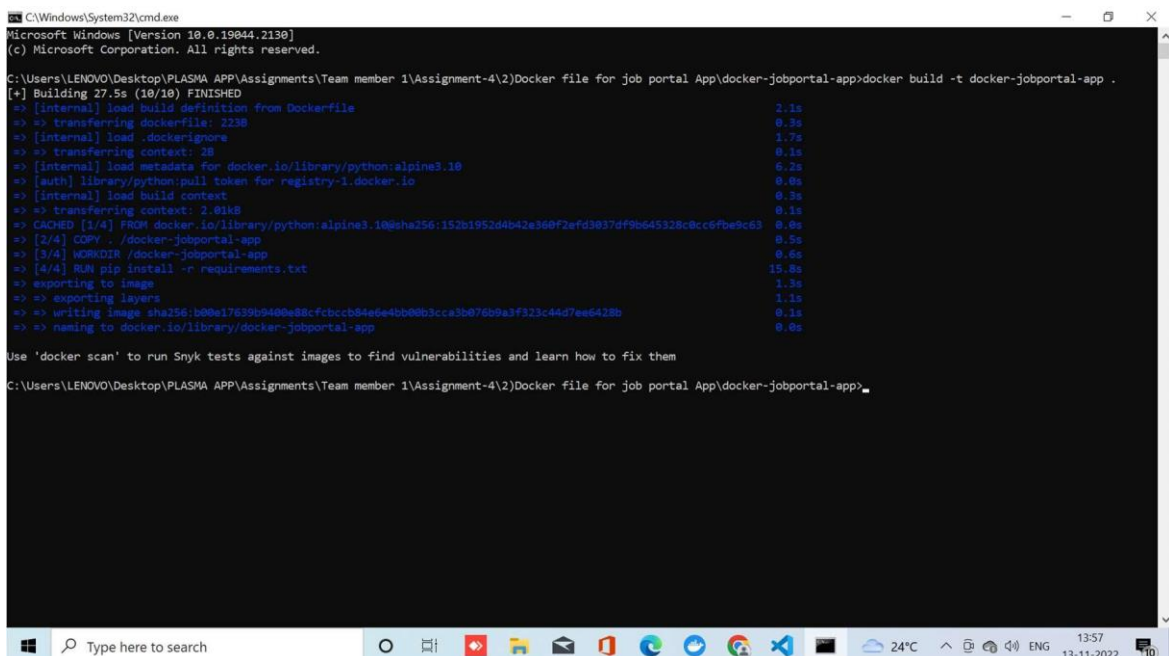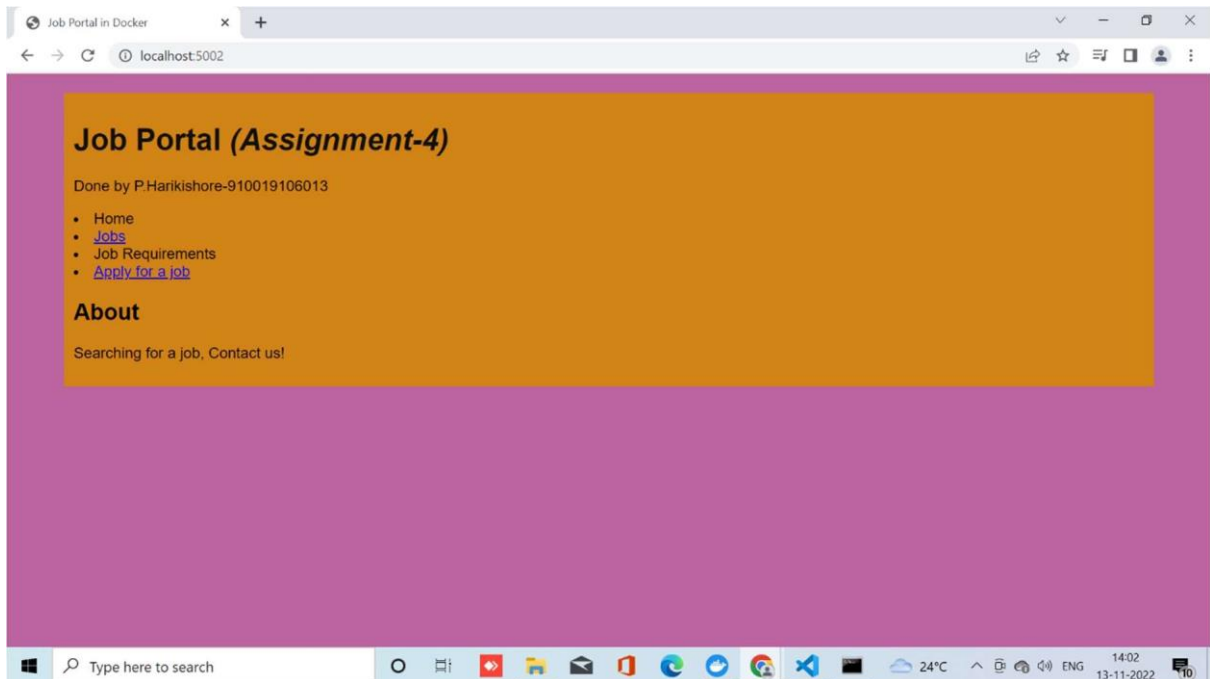
- **RUN THE JOB PORTAL APP DOCKER IMAGE USING CMD**
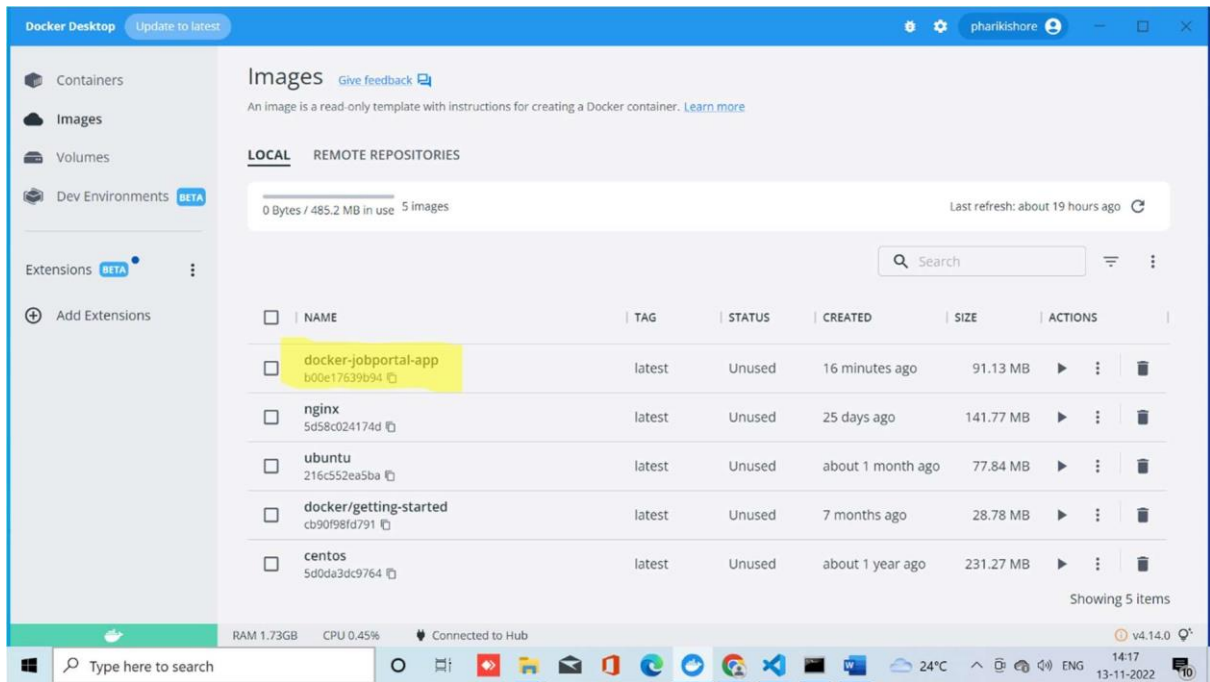
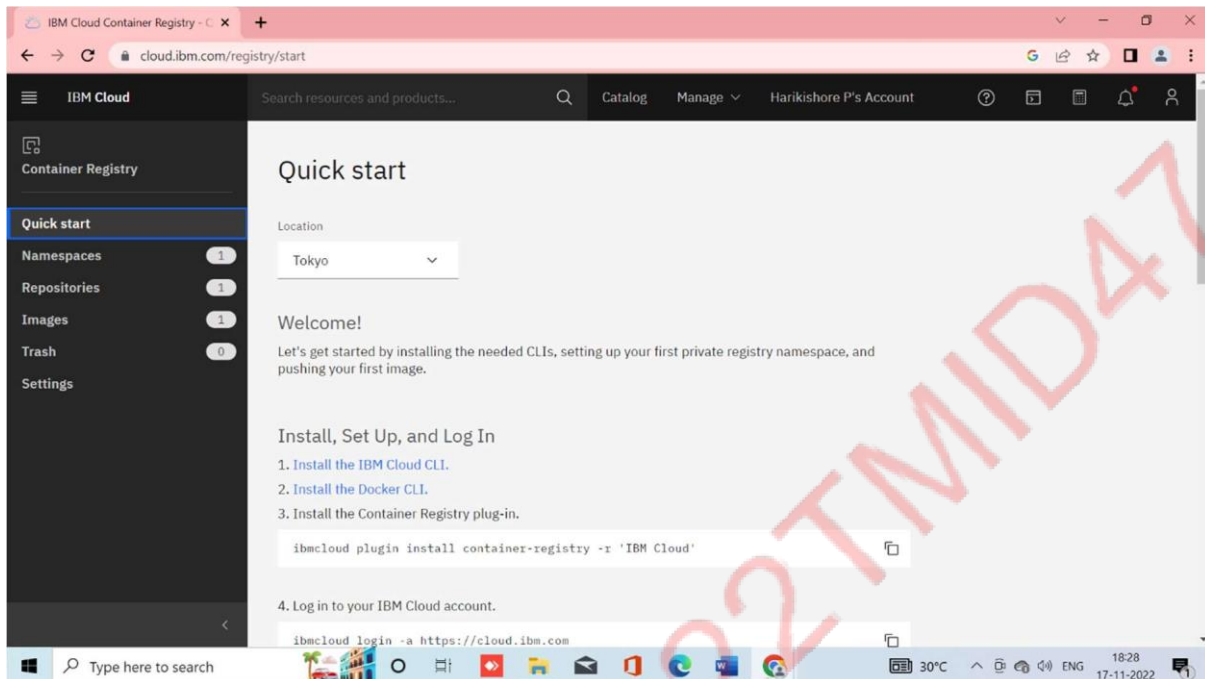- **CHECK IN LOCALHOST:5002 FOR JOB PORTAL APP IN DOCKER**
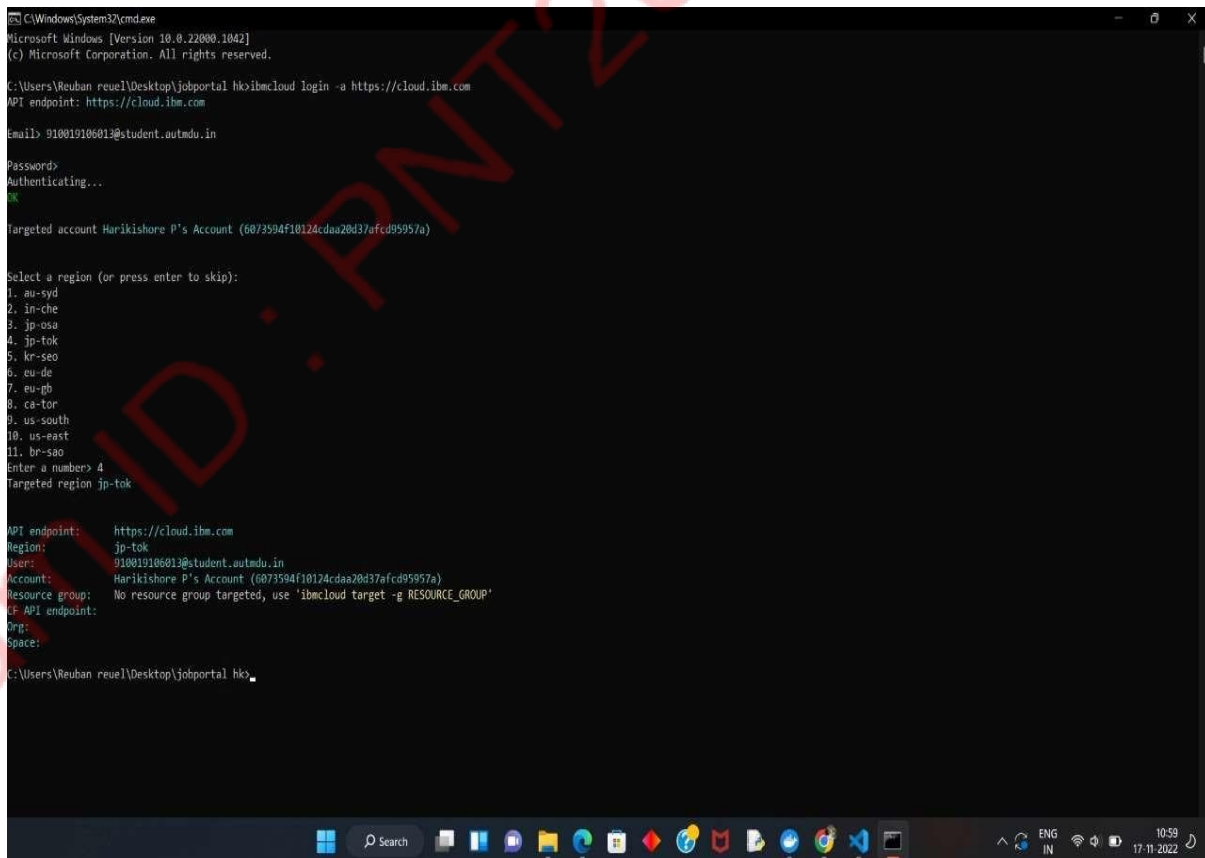

TASK-2 COMPLETED SUCCESSFULLY!

Assignment-4(R V Shamitha-11619104137)

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**

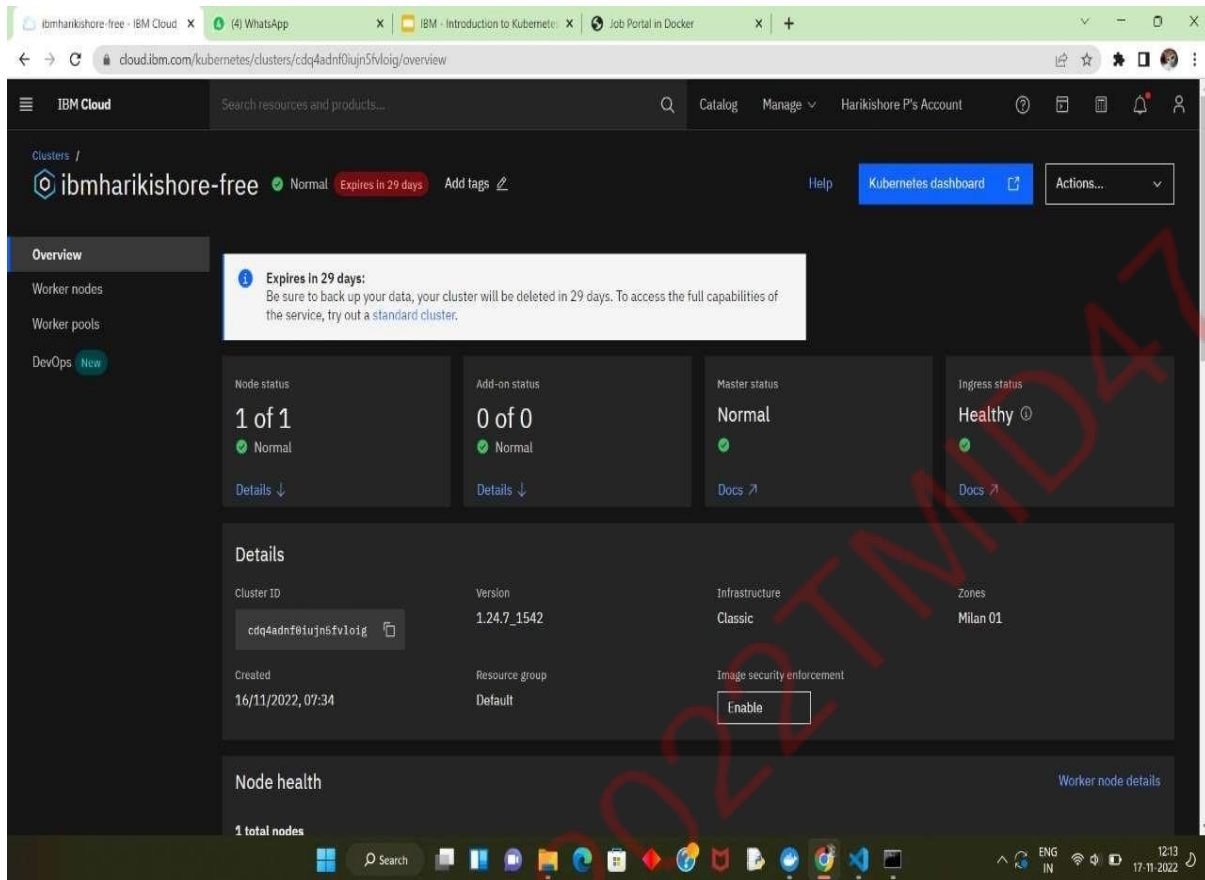- **OUTPUT IN IBM CONTAINER REGISTRY**
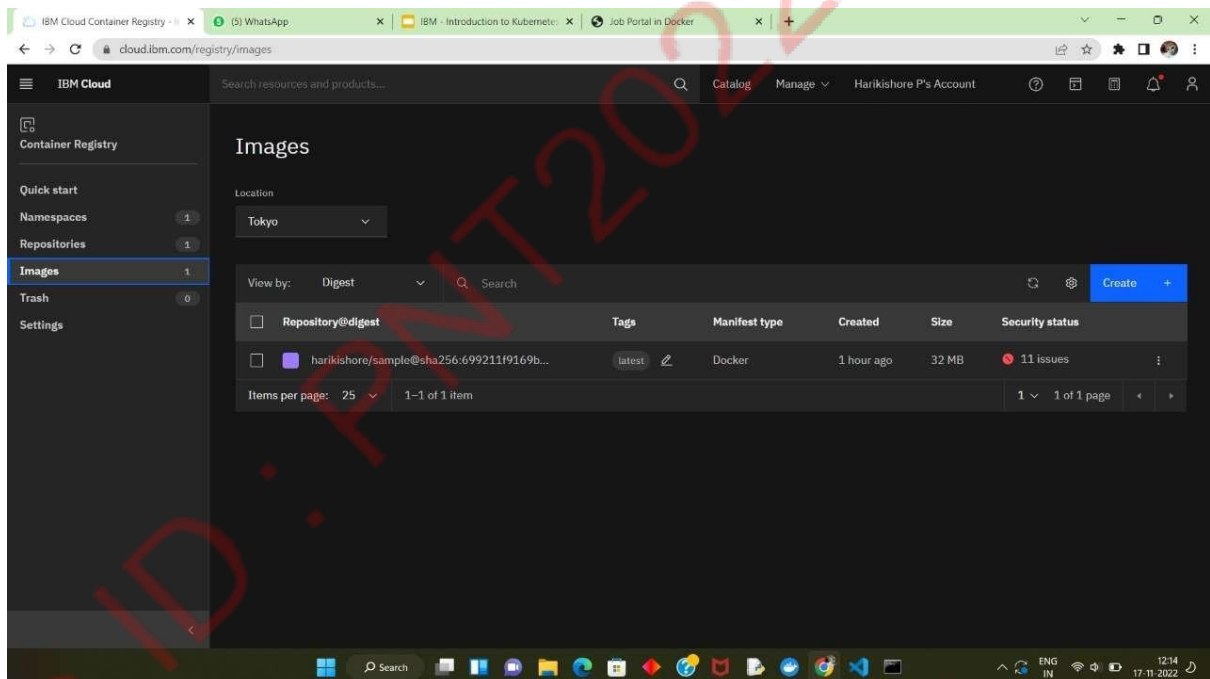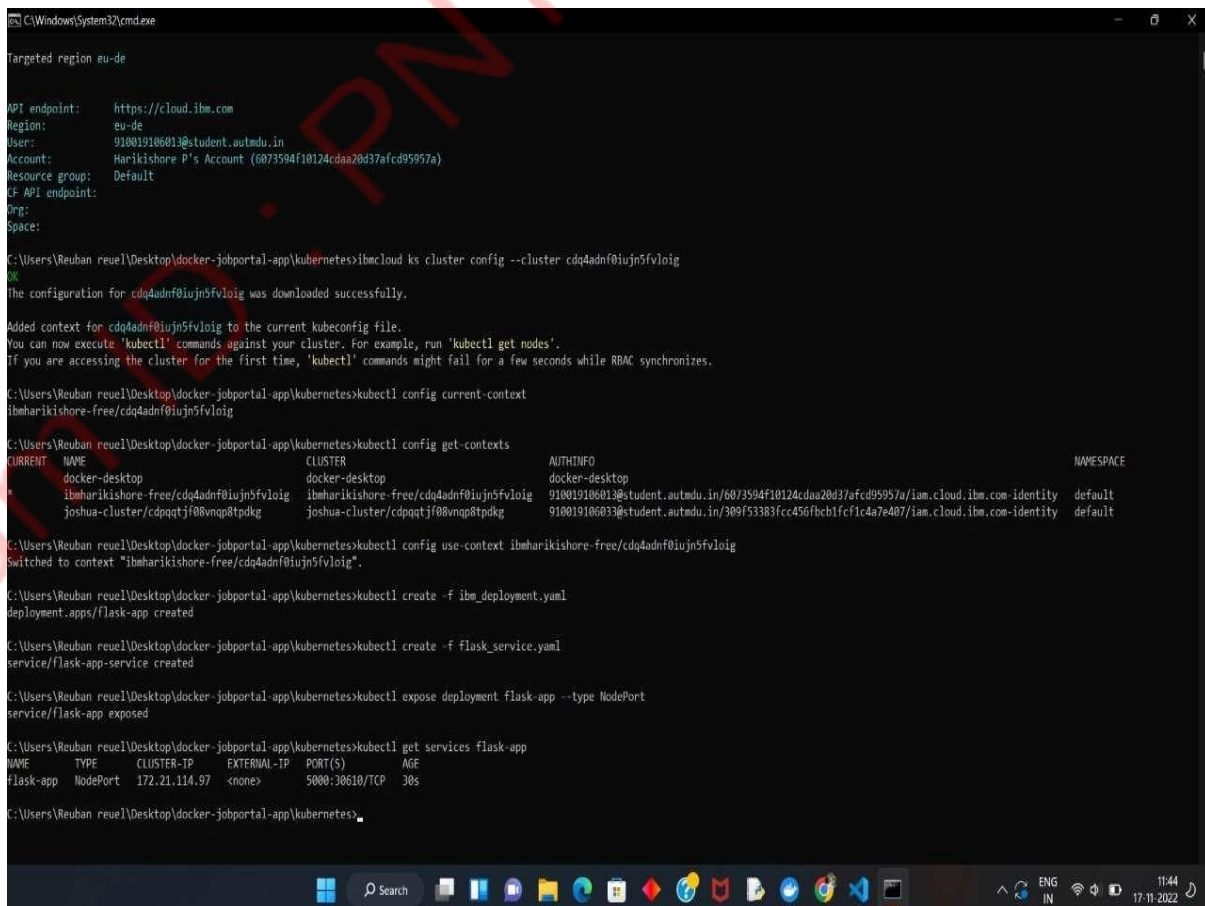

TASK-3) COMPLETED SUCCESSFULLY!

Assignment-4(R V Shamitha-11161910413)

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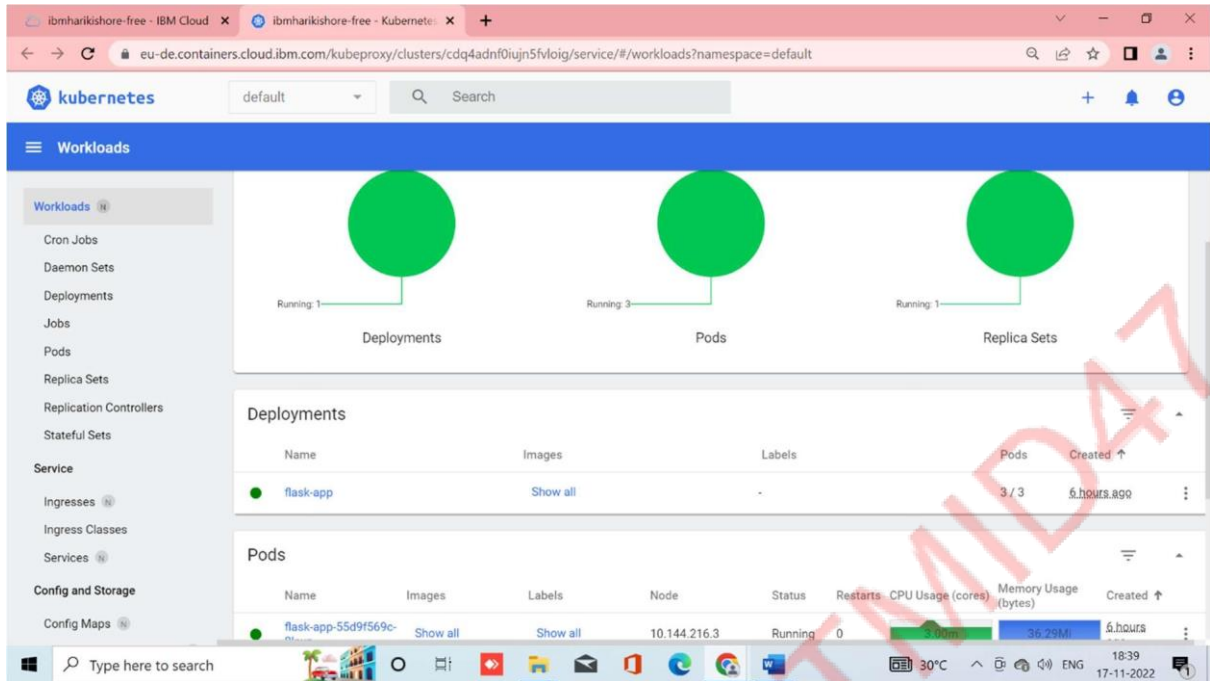
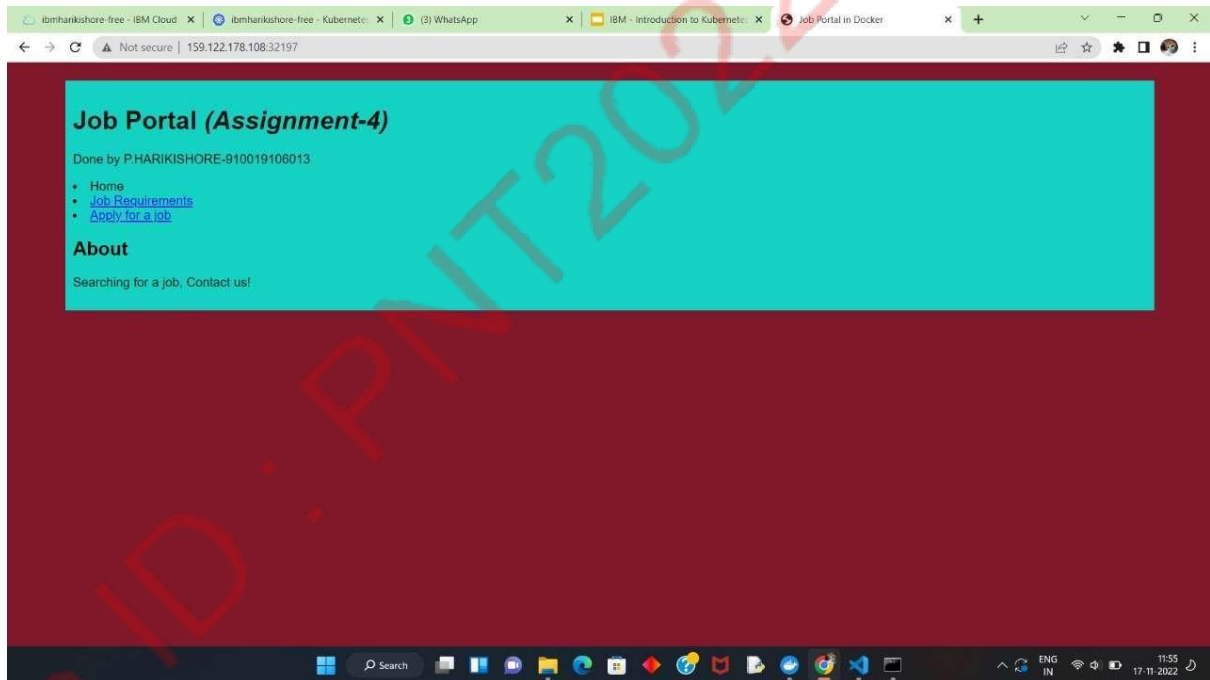- **Create Kubernetes Cluster in IBM Cloud**

- **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!