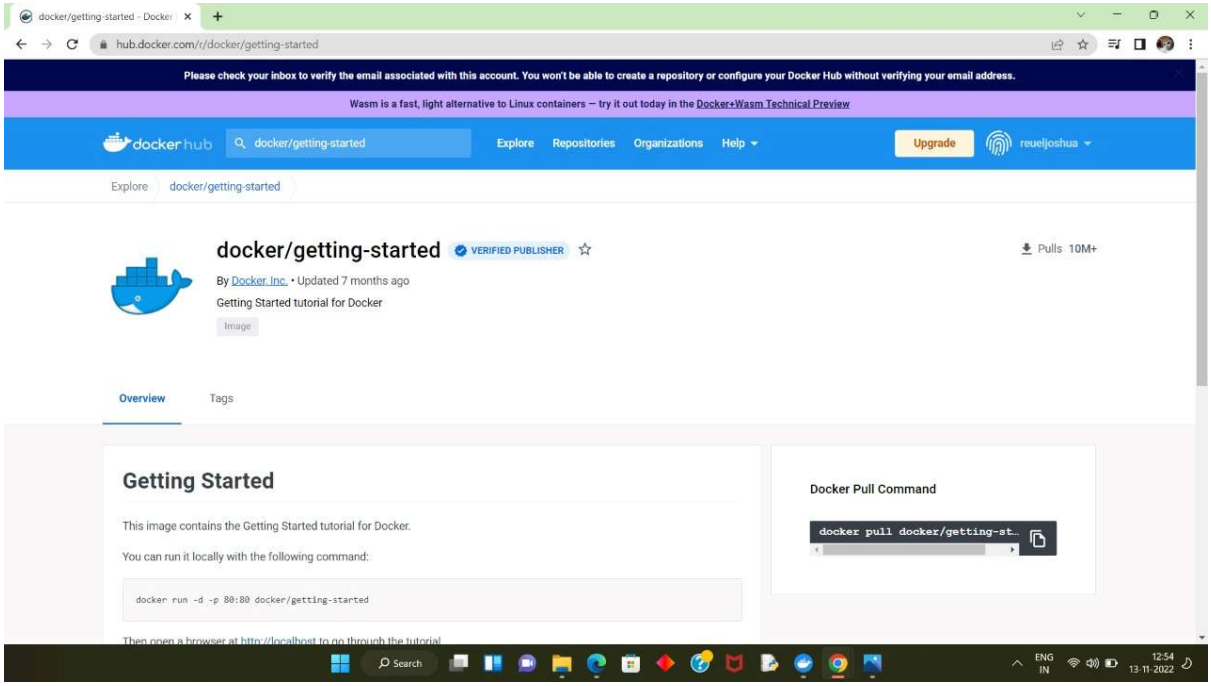
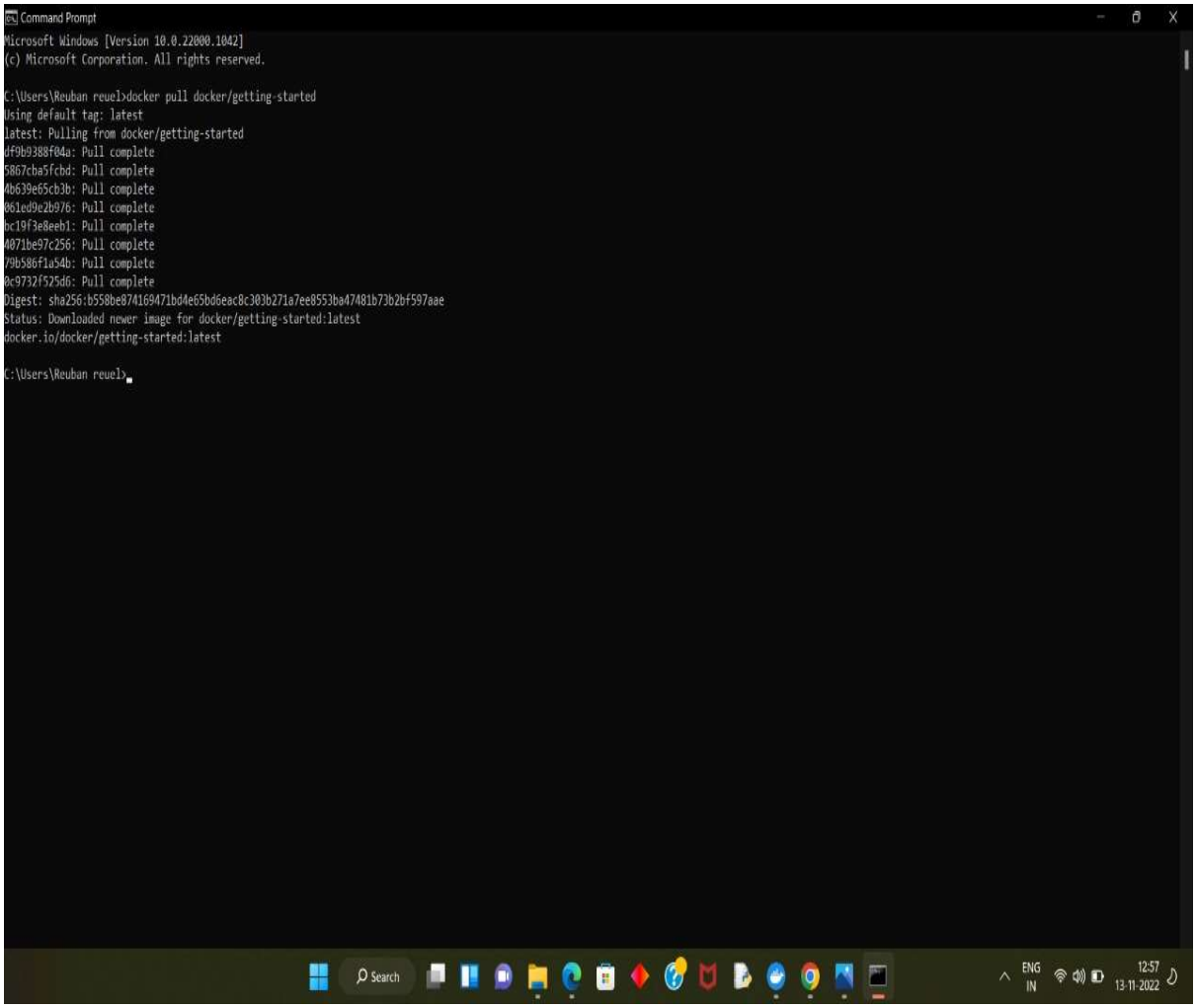
Assignment-4(M. REUEL JOSHUA-910019106033)

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

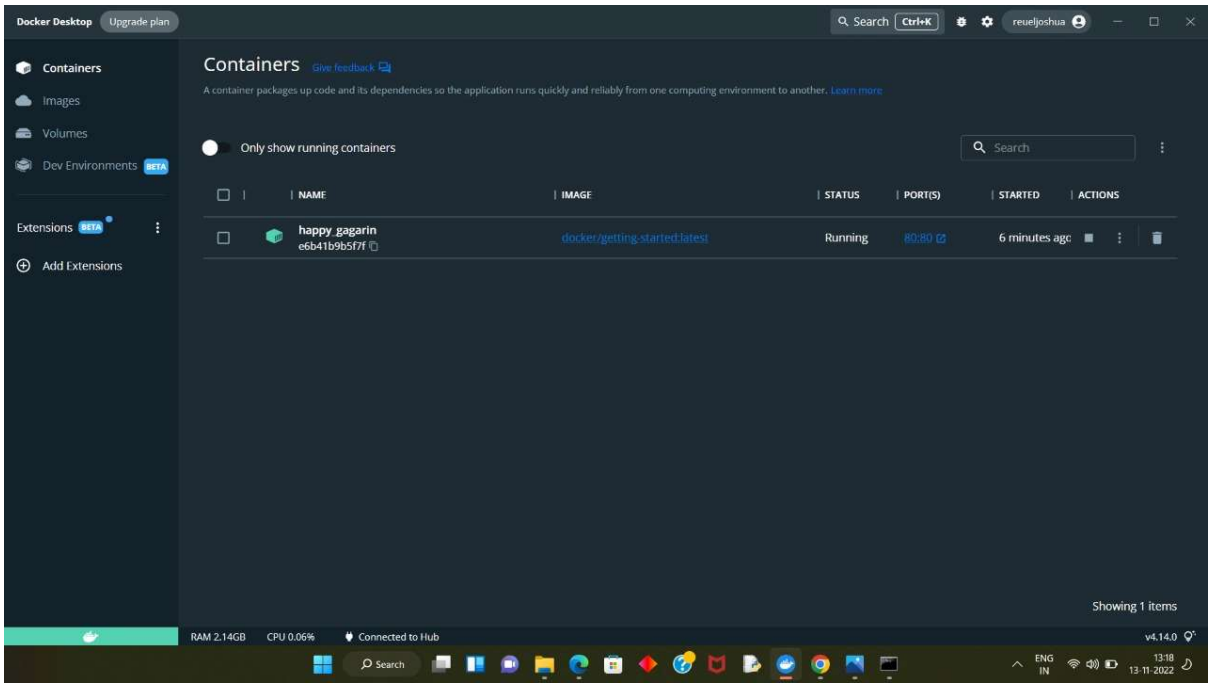
- **PULL AN IMAGE FROM DOCKER HUB VIA COPIYING COMMAND**



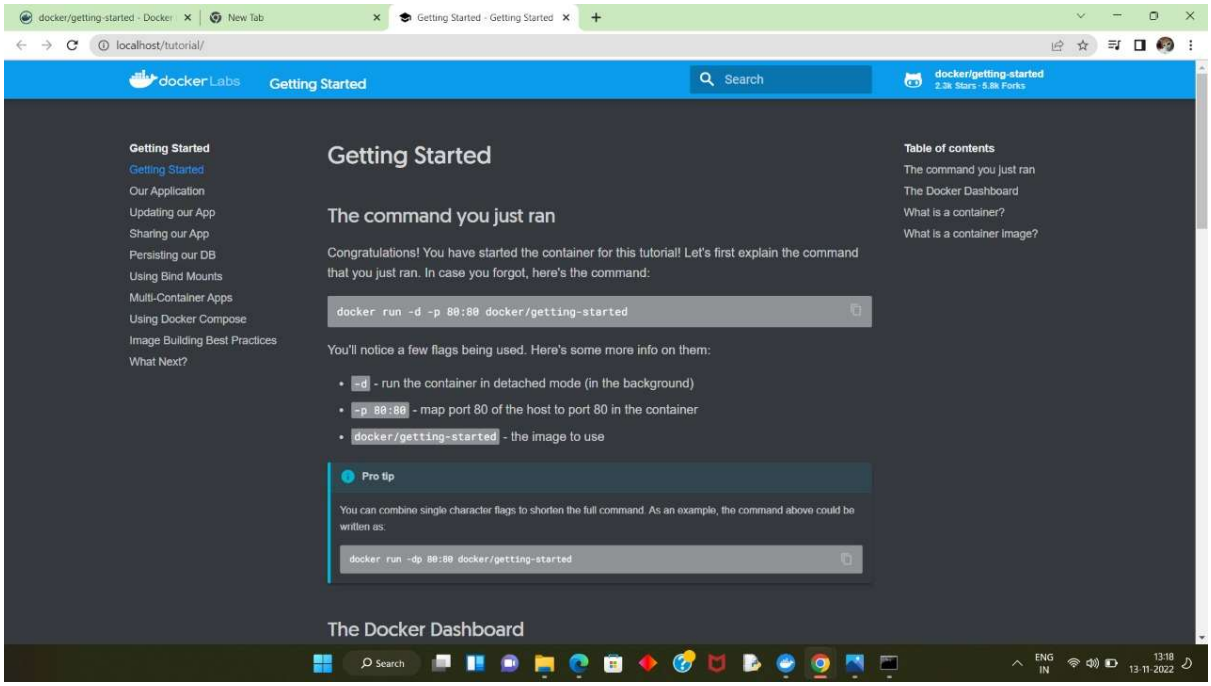
- **PASTE AND RUN THE COMMAND IN CMD TO PULL THE IMAGE**



- **IMAGE IS RUNNING IN DOCKER DESKTOP**



- **IMAGE IS RUNNING IN LOCALHOST**

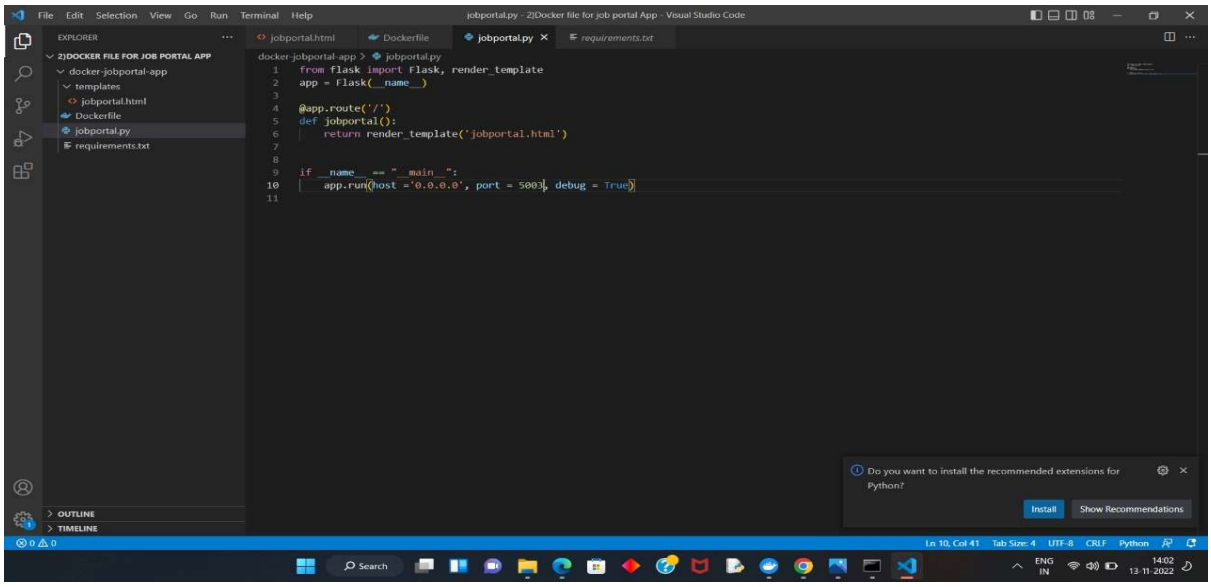


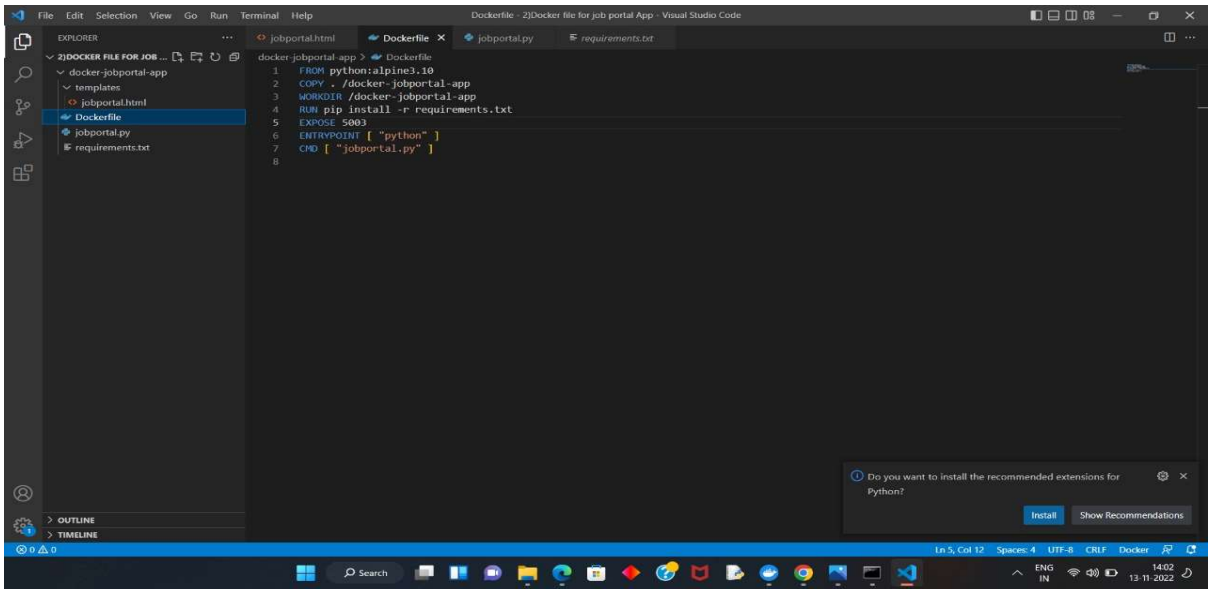
TASK-1 SUCCESSFULLY COMPLETED!

Assignment-4(M.REUEL JOSHUA-910019106033)

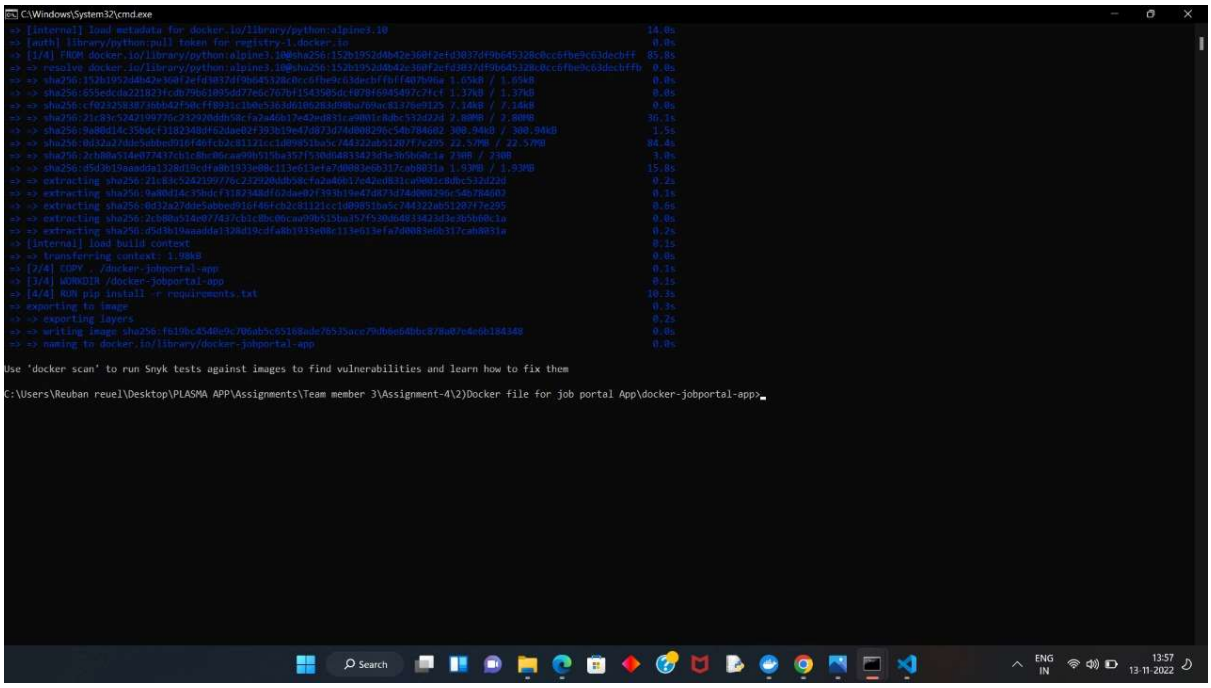
TASK-2) Create a Dockerfile for job portal app and deploy it in docker desktop

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

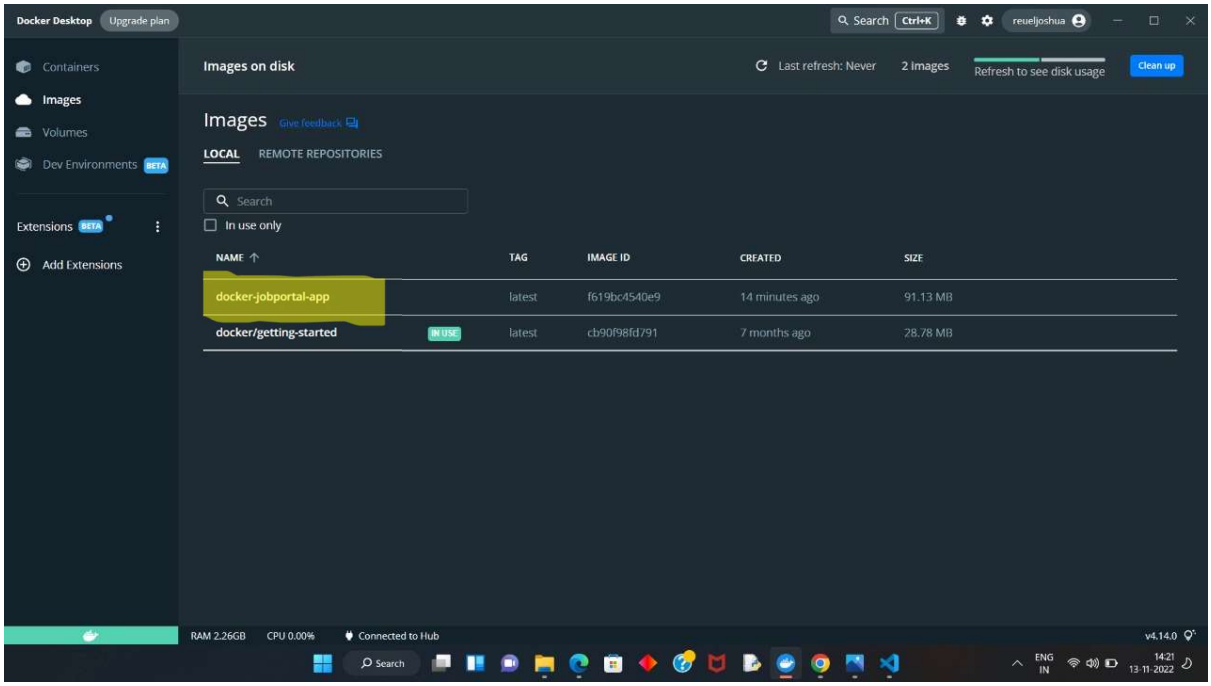




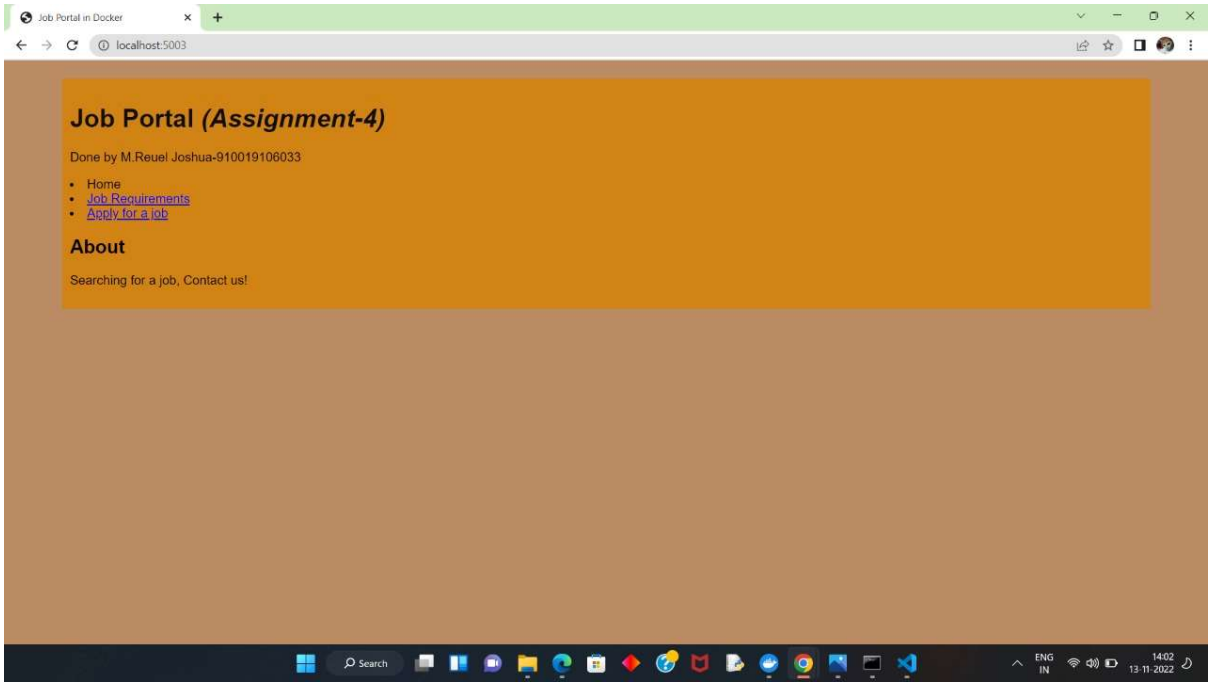
- **BUILD A DOCKER IMAGE IN DOCKER DESKTOP FOR JOB PORTAL APP USING CMD**



- **RUN THE JOB PORTAL APP DOCKER IMAGE USING CMD**



- **CHECK IN LOCALHOST:5003 FOR JOB PORTAL APP IN DOCKER**

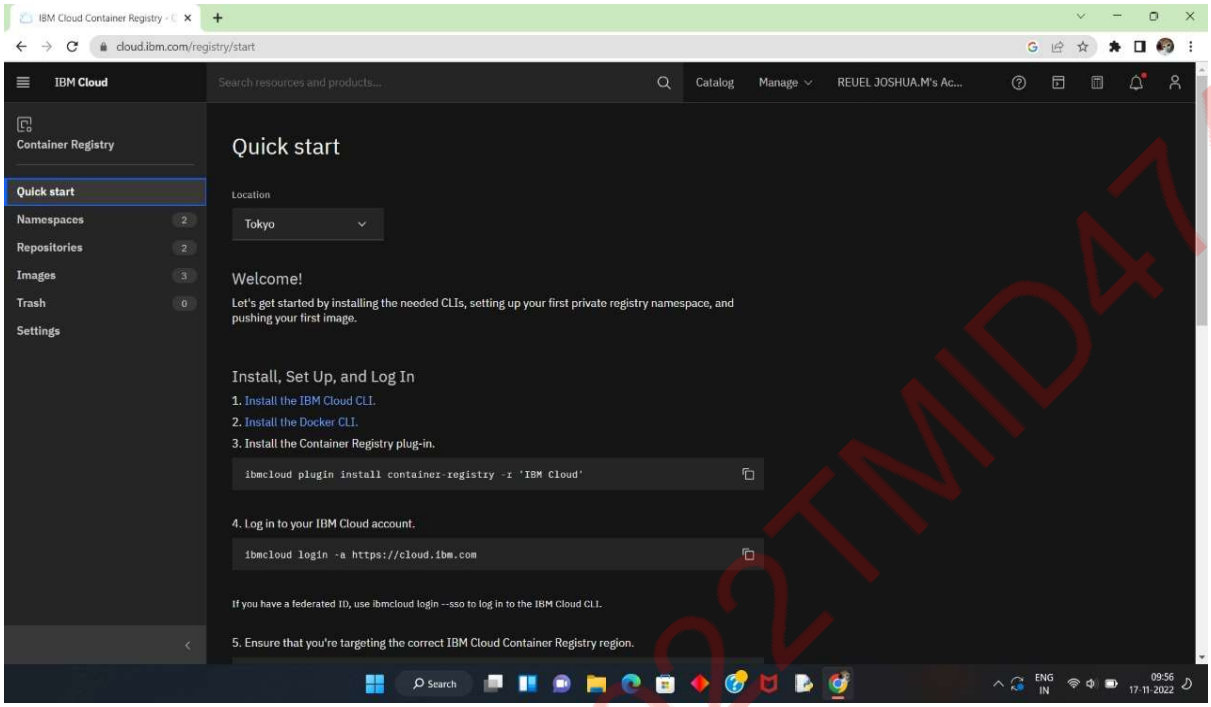


TASK-2 COMPLETED SUCCESSFULLY!

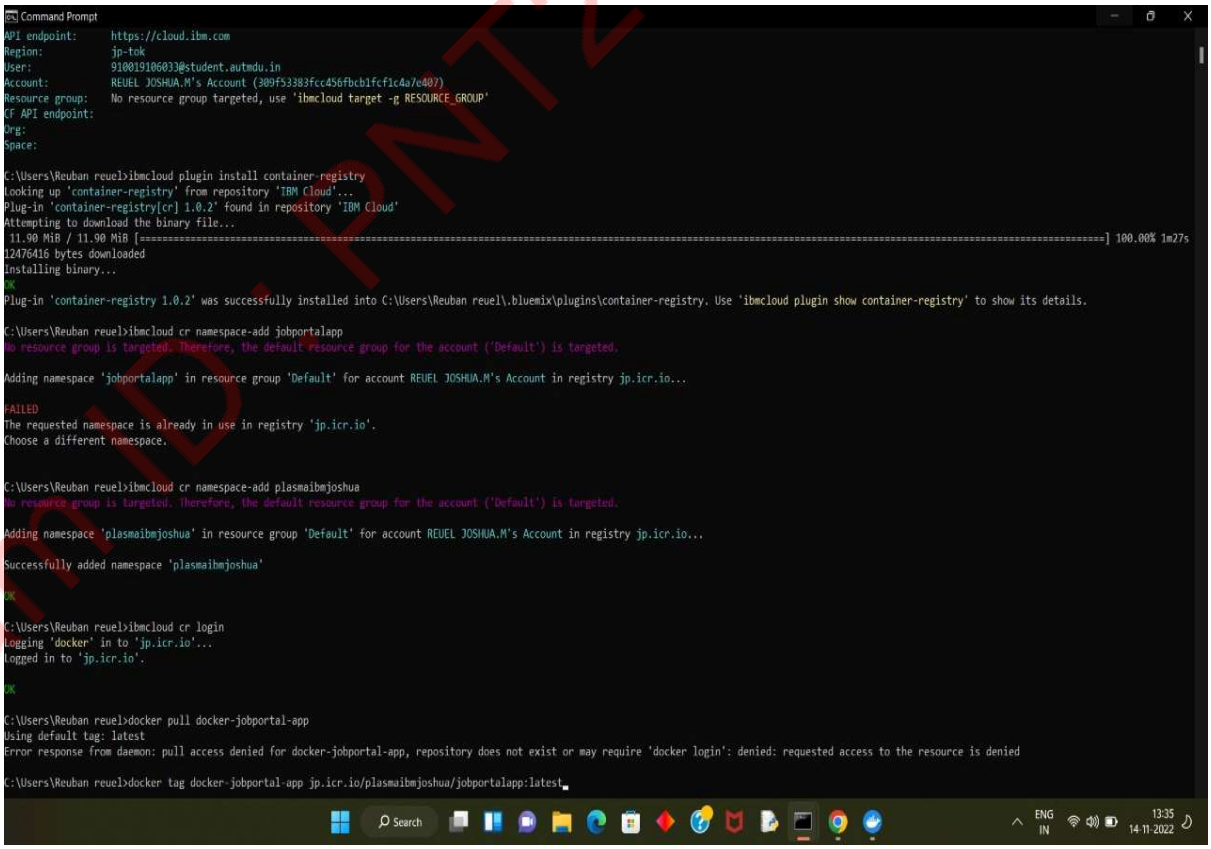
Assignment-4(M.REUEL JOSHUA-910019106033)

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

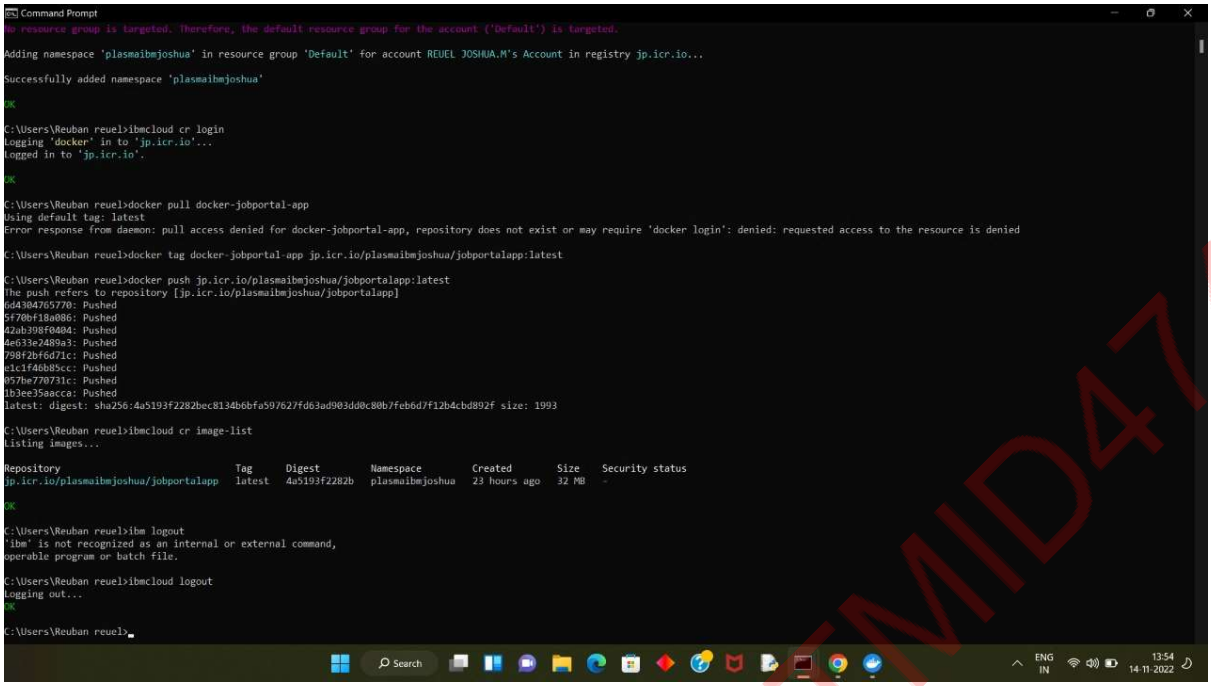
- **LOGIN TO IBM CLOUD AND CREATE IBM CONTAINER REGISTRY**



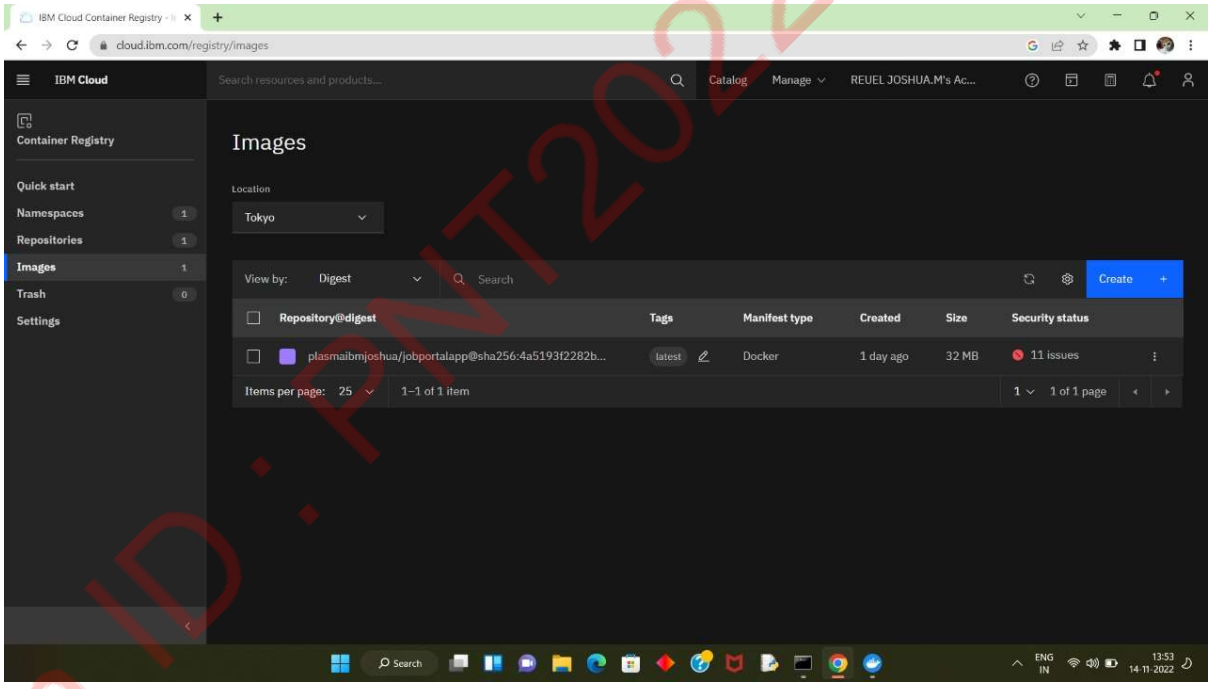
- **LOGIN TO IBM CLOUD CLI USING CMD**



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



- **OUTPUT IN IBM CONTAINER REGISTRY**

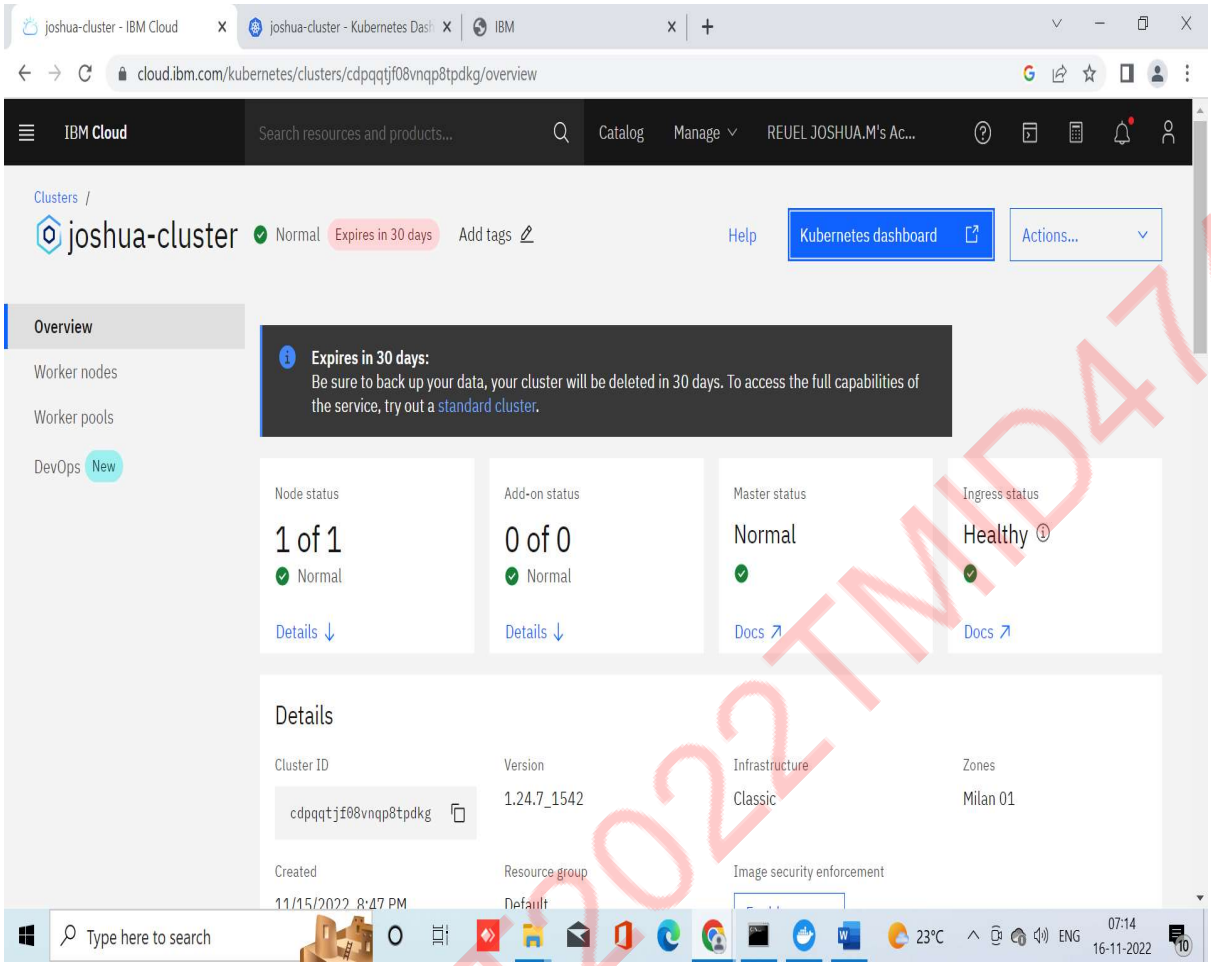


TASK-3) COMPLETED SUCCESSFULLY!

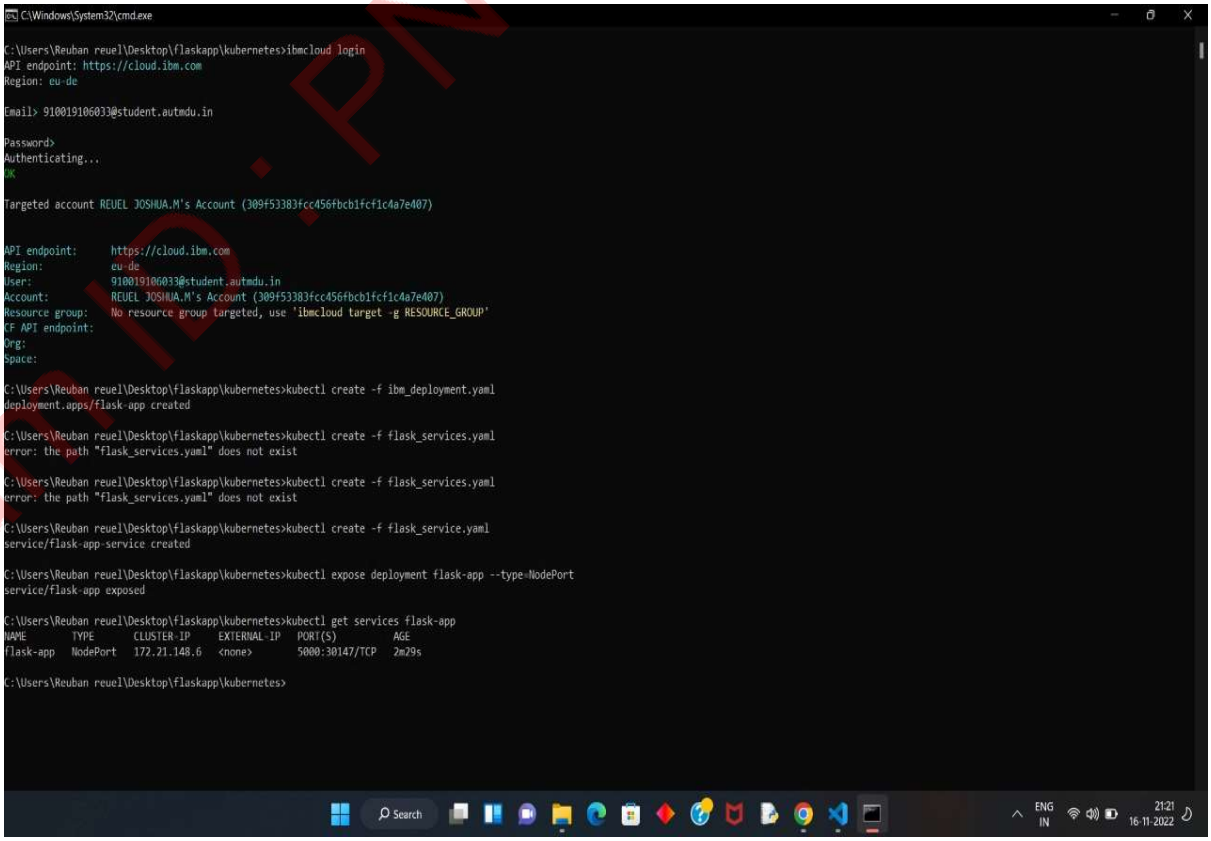
Assignment-4(M.REUEL JOSHUA-910019106033)

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

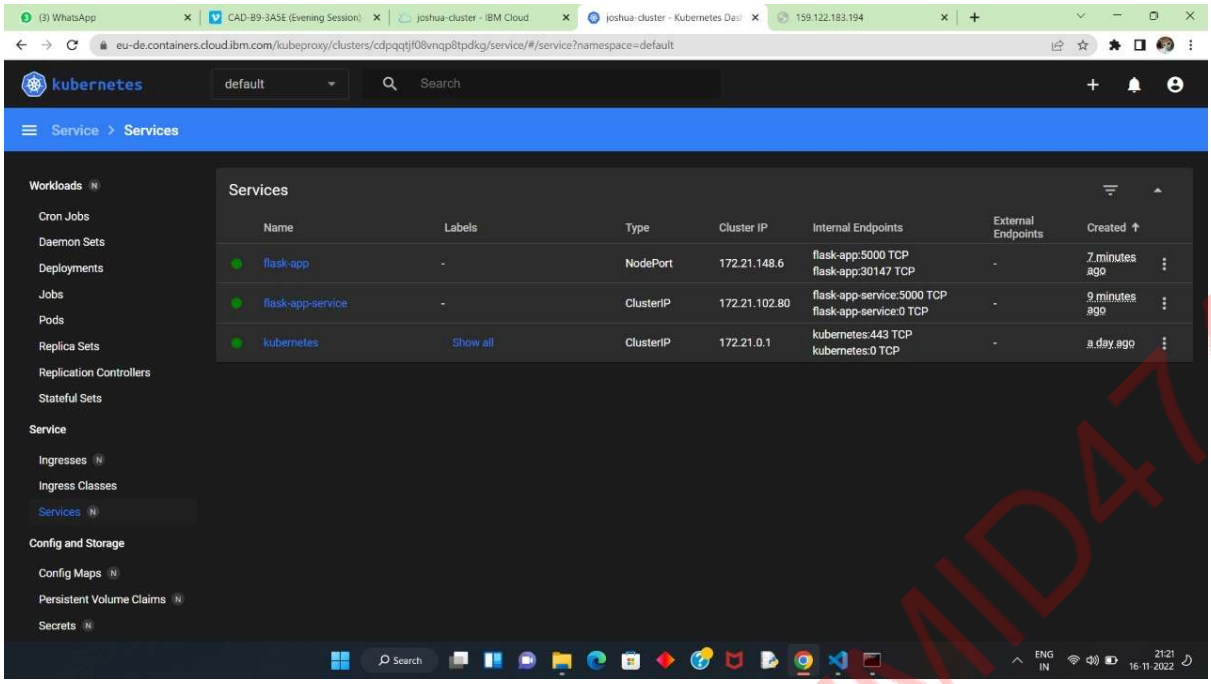
- **Create Kubernetes Cluster in IBM Cloud**



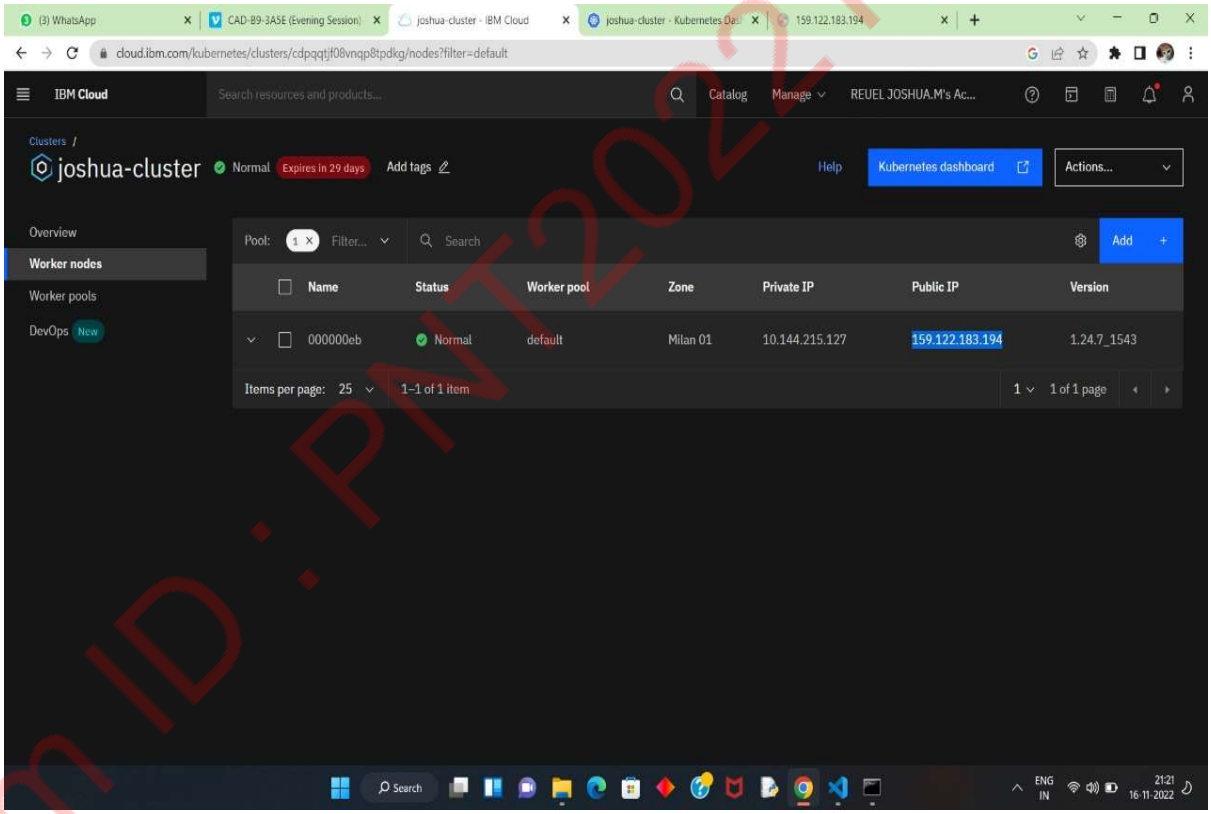
- **Deploy Flask-app in Kubernetes Cluster using CMD**



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



- **Check for Node Link in Kubernetes Cluster-Worker Nodes**



TASK-4) COMPLETED SUCESSFULLY!