DEVOPS ASSIGNMENT TEAM 8

TASK1 Part B

Q. Developing and deploying a Node.js app from Docker to Kubernetes

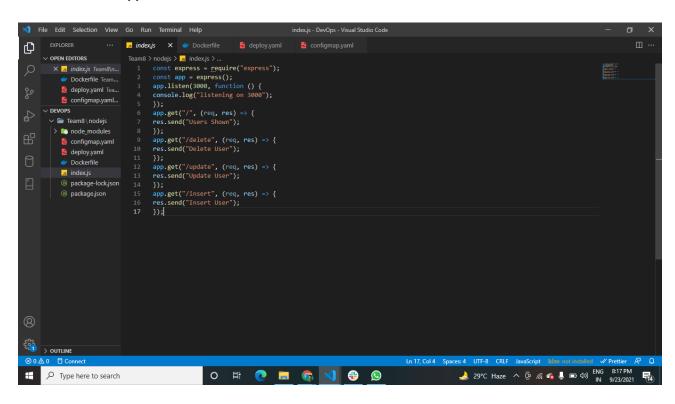
You can find the docker file here:

https://hub.docker.com/r/deepanshusachdeva5/nodejs-starter

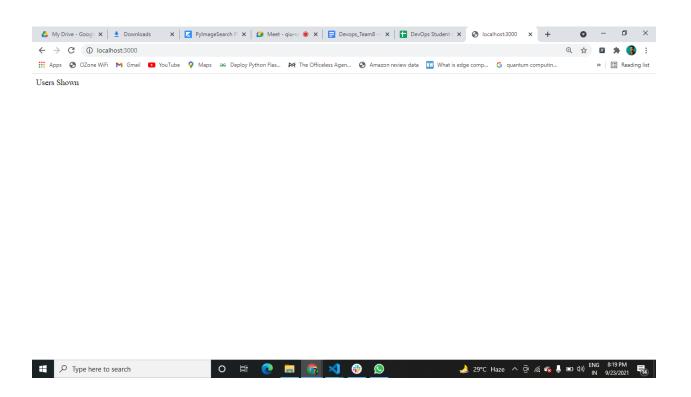
Github link -

https://github.com/deepanshusachdeva5/CS457 DEVOPS/tree/main/Assignment2

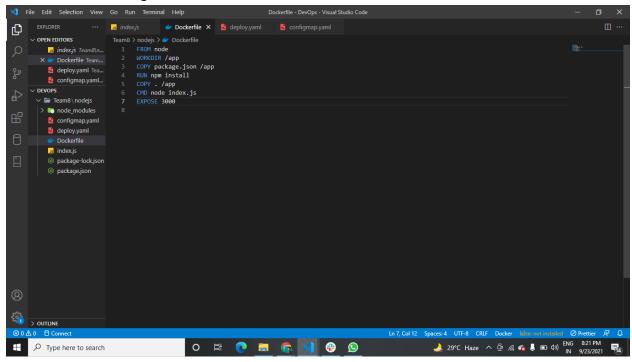
STEP1: NodeJs App



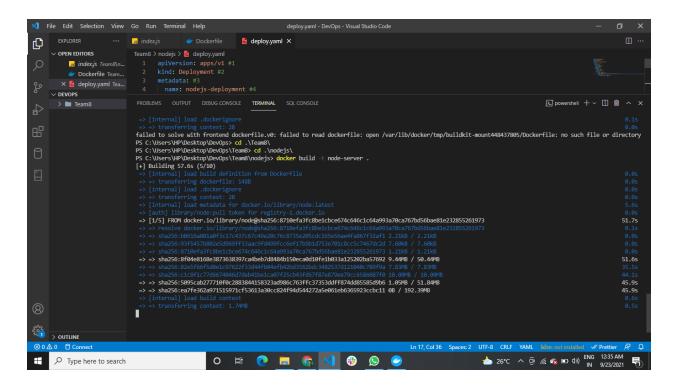
STEP2: Testing NodeJs App using npm start



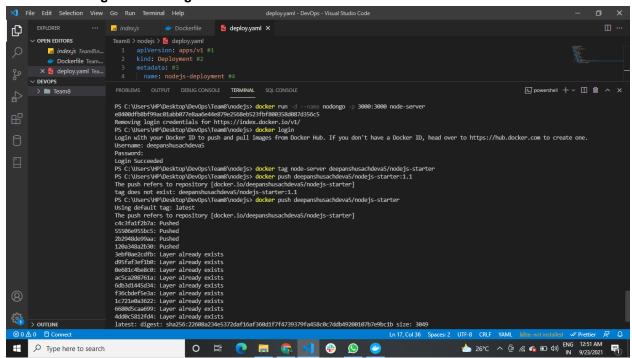
STEP3: Writing Dockerfile



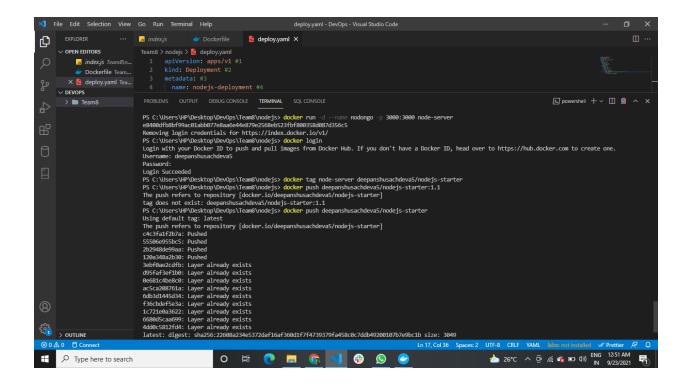
STEP4: Building Docker Image using docker build -t node-starter



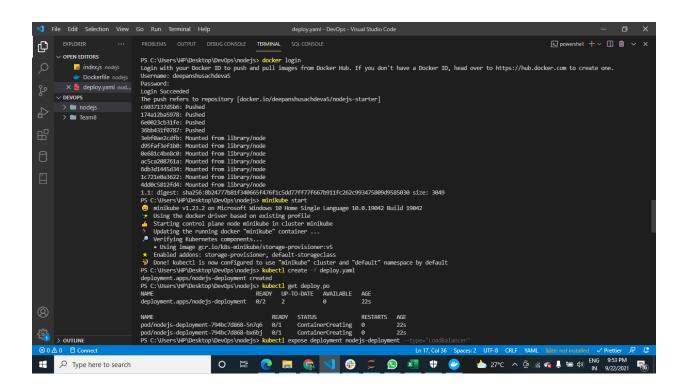
STEP5: Running Docker Image



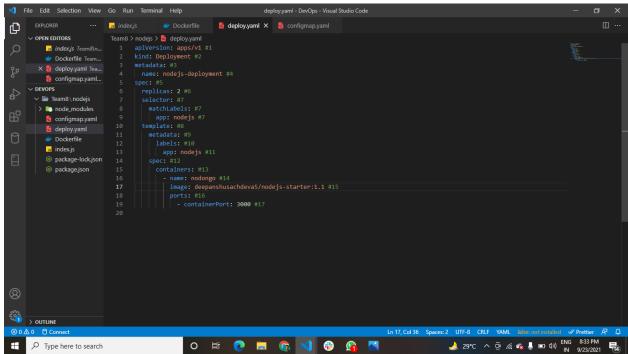
STEP6: Pushing image to docker hub after tagging



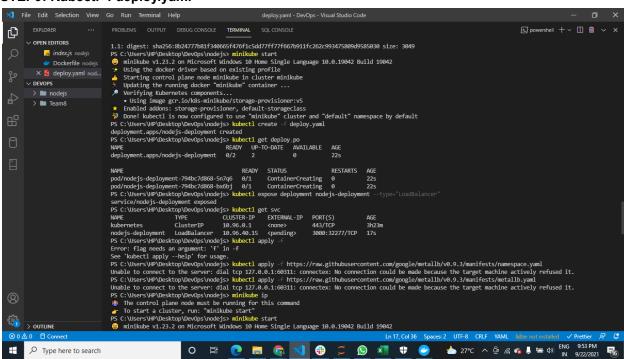
STEP7: Minikube Start



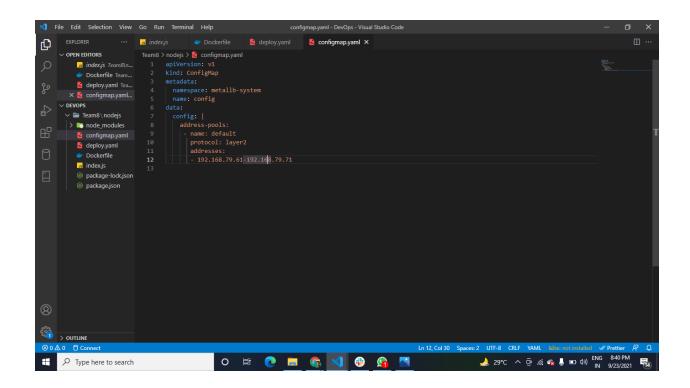
STEP8: Creating deploy.yaml file



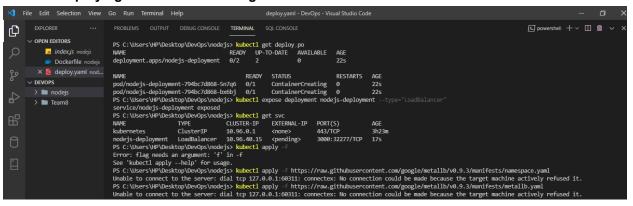
STEP9: Kubectl -f deploy.yaml



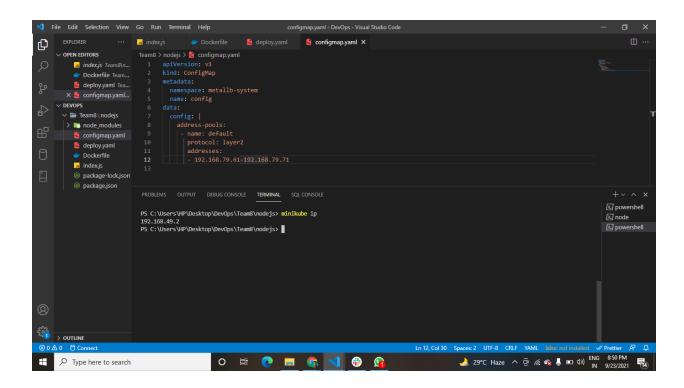
STEP10: configmap.yaml



STEP11: Deploying on kubernetes using minikube



STEP12:Checking minikube ip



STEP13: Verifying external IP

