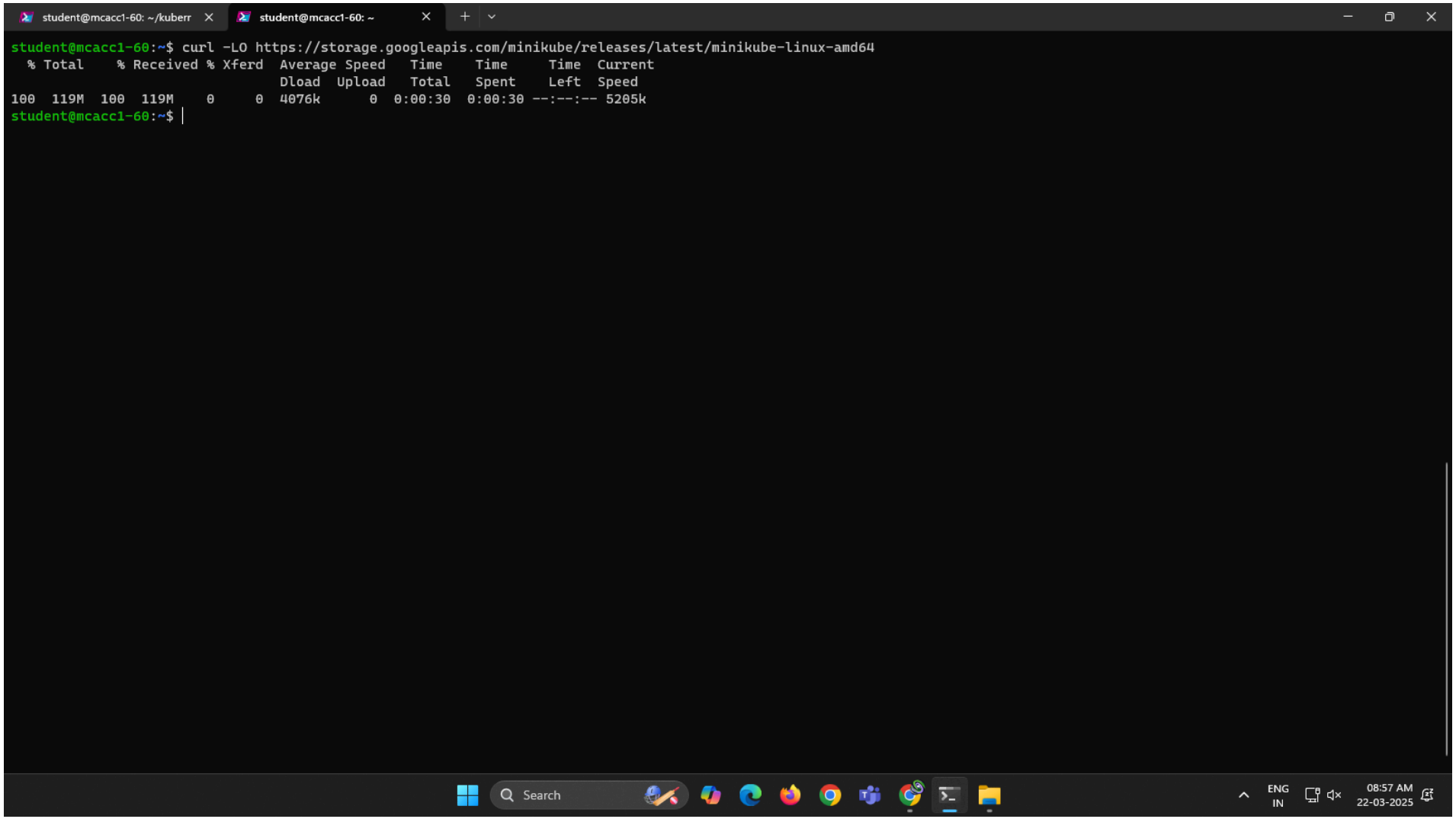
Setting up minikube and kubectl and deploying a project in kubernetes

Day - 3 and 4

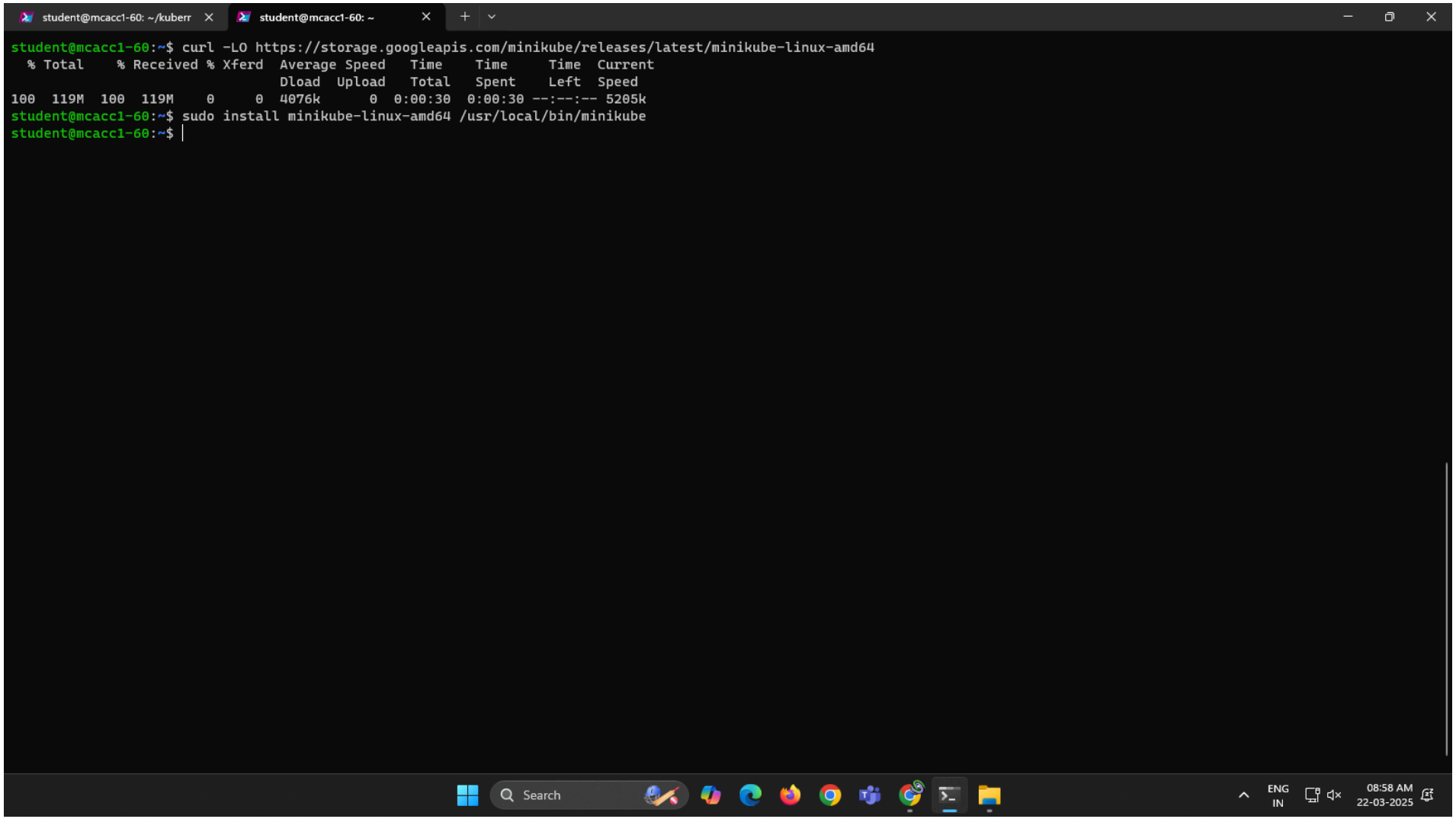
24MCR029

Harikrishnan N

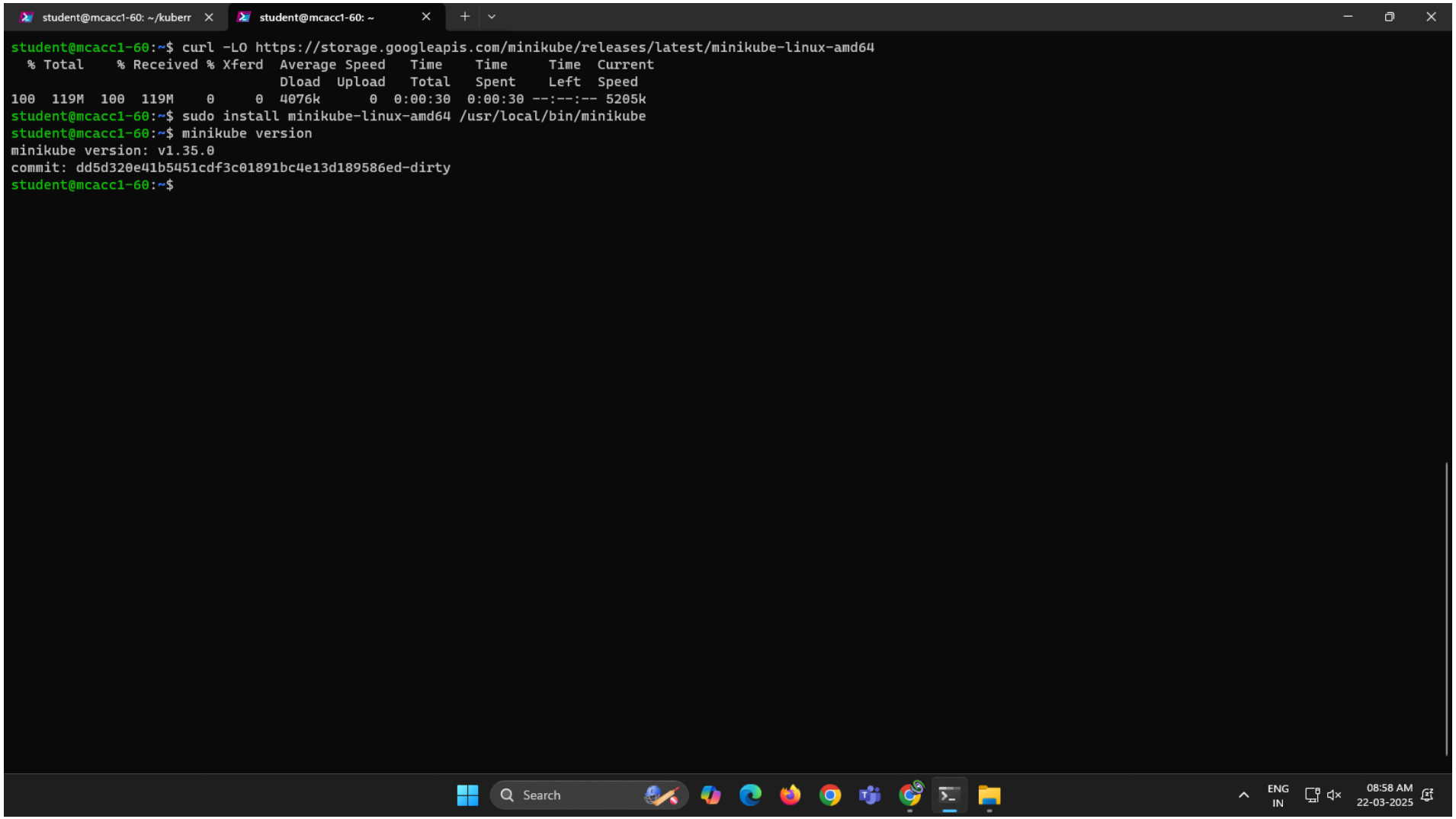
Setting up minikube: Step 1



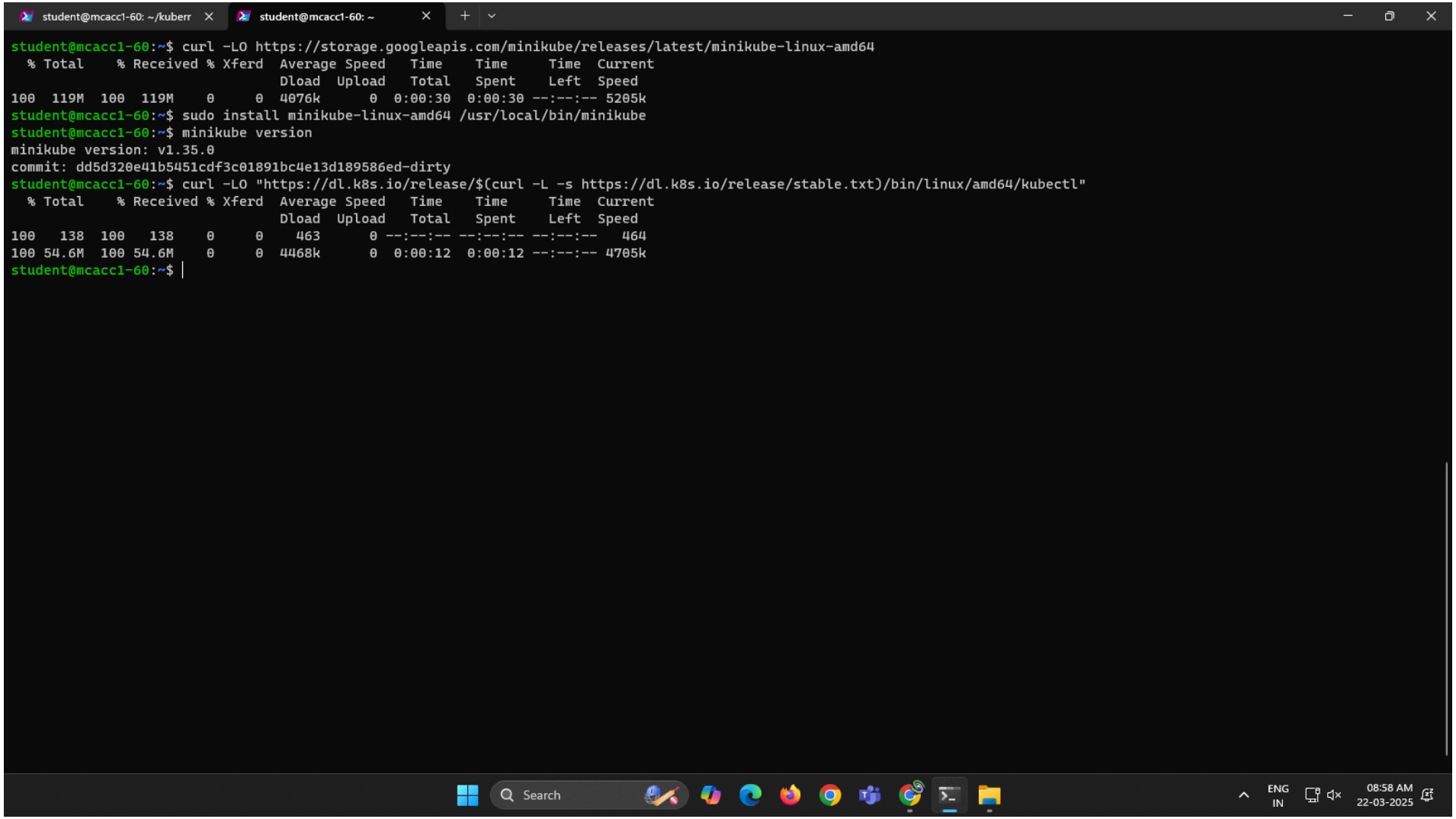
Setting up minikube: Step 2



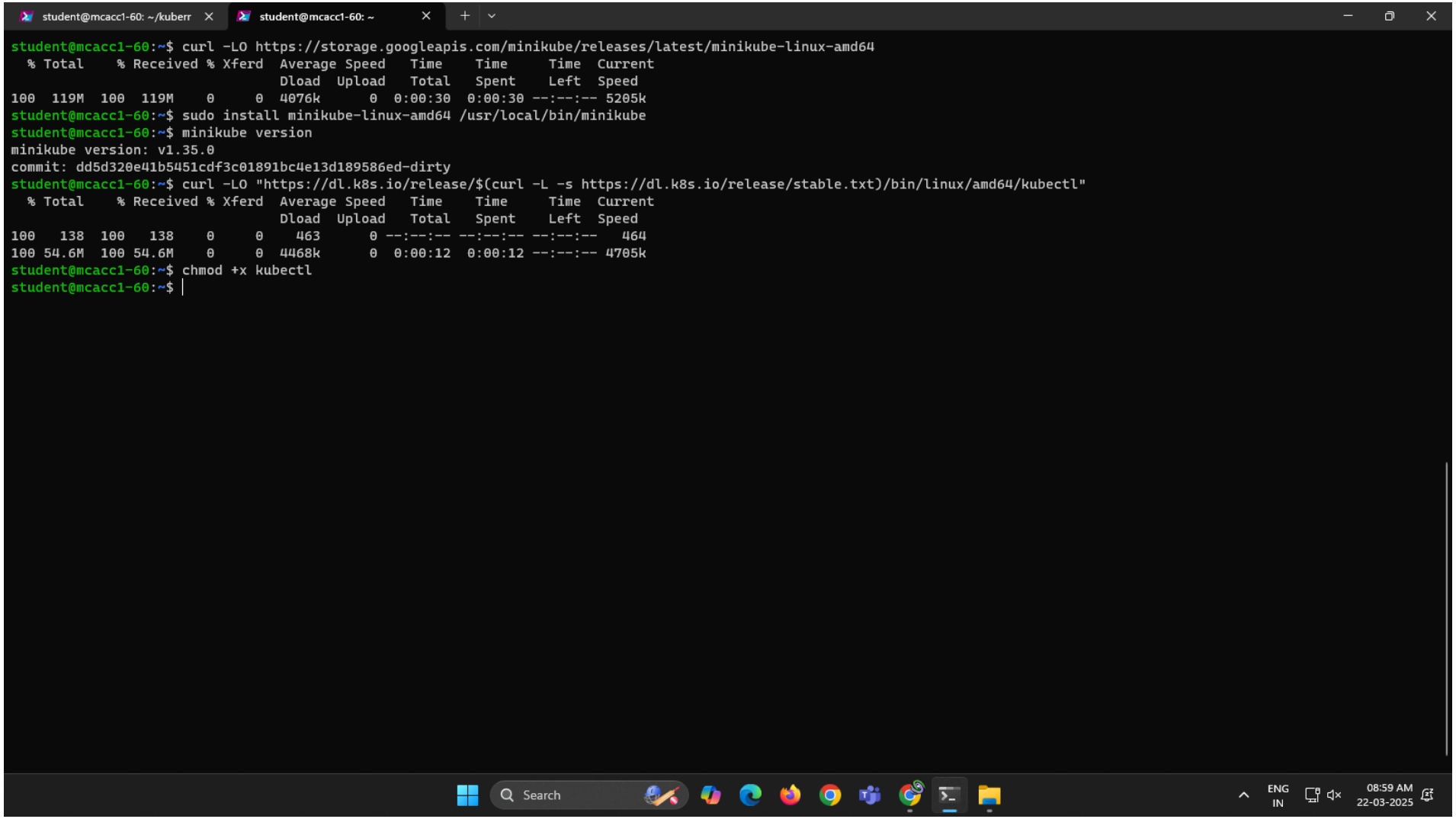
Setting up minikube: Step 3



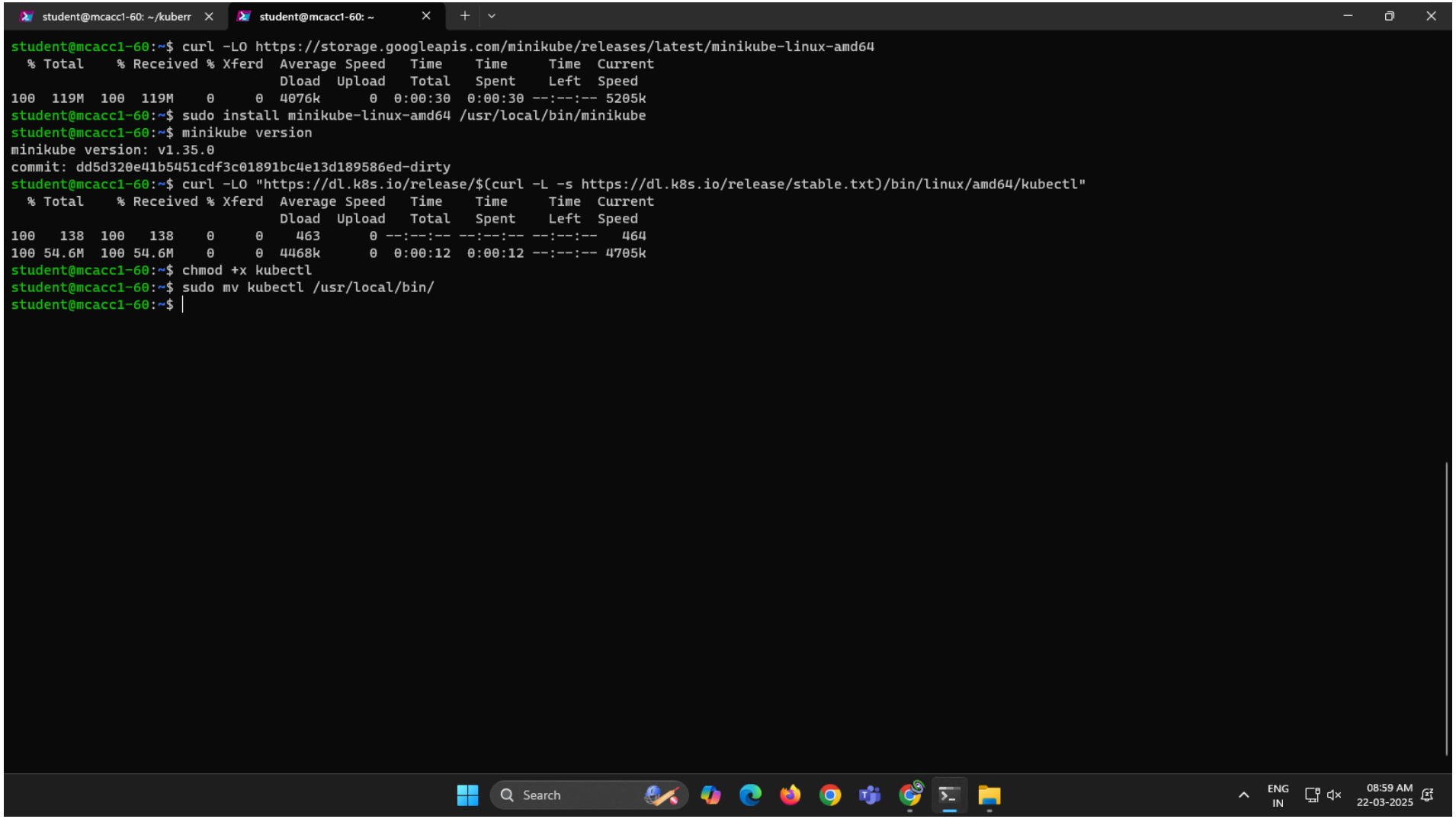
Setting up kubectl: Step 1



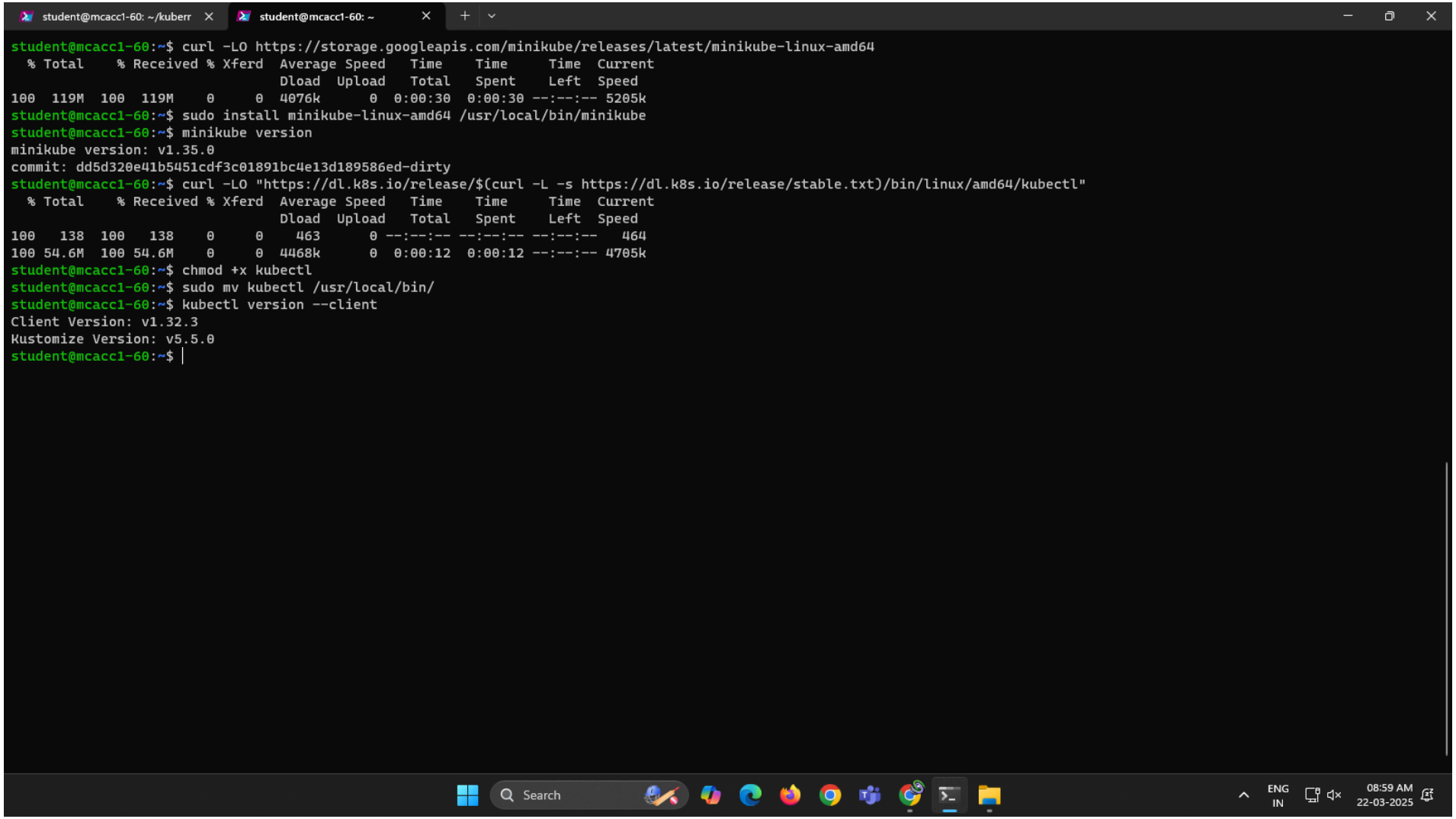
Setting up kubectl: Step 2



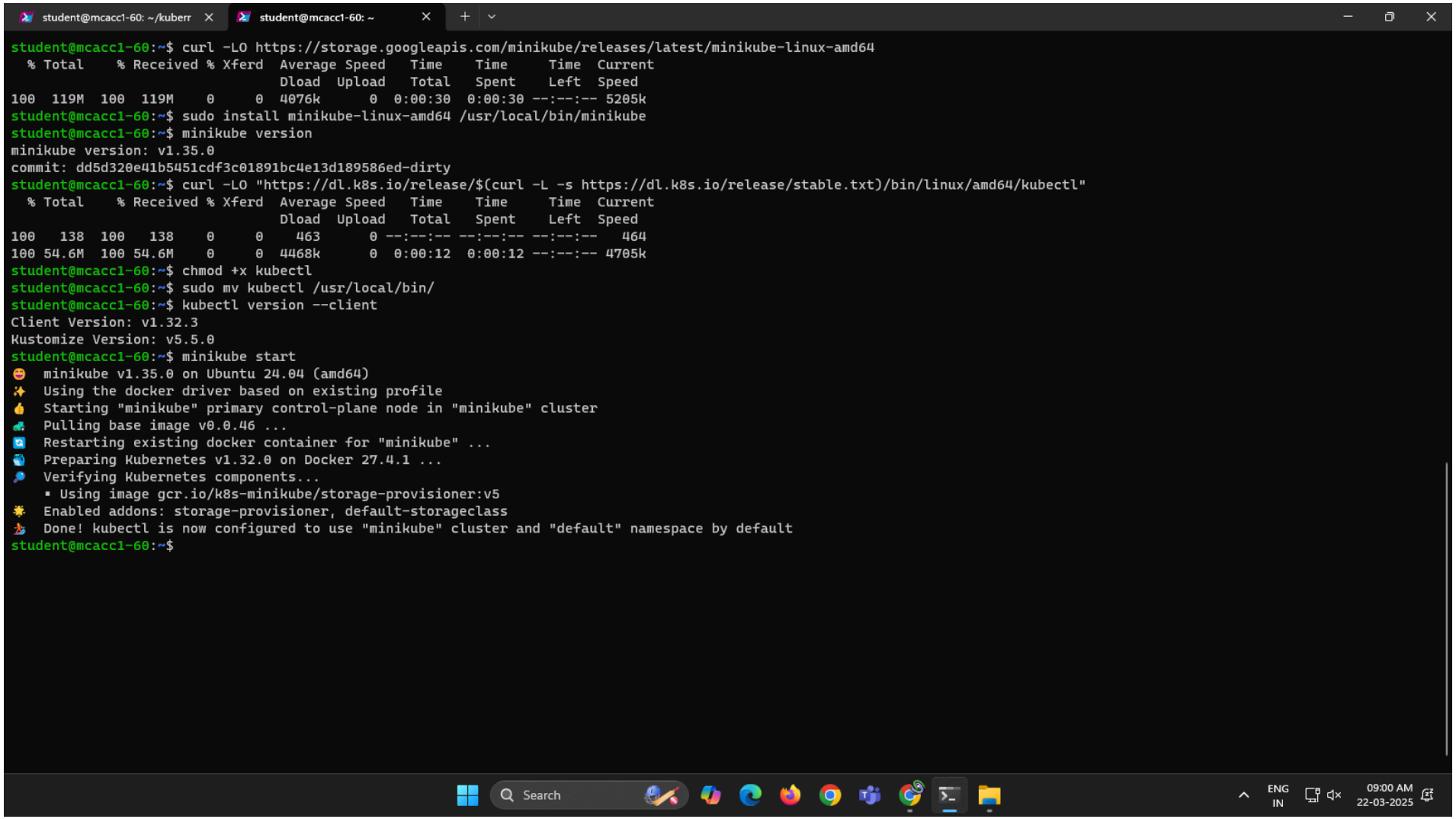
Setting up kubectl: Step 3



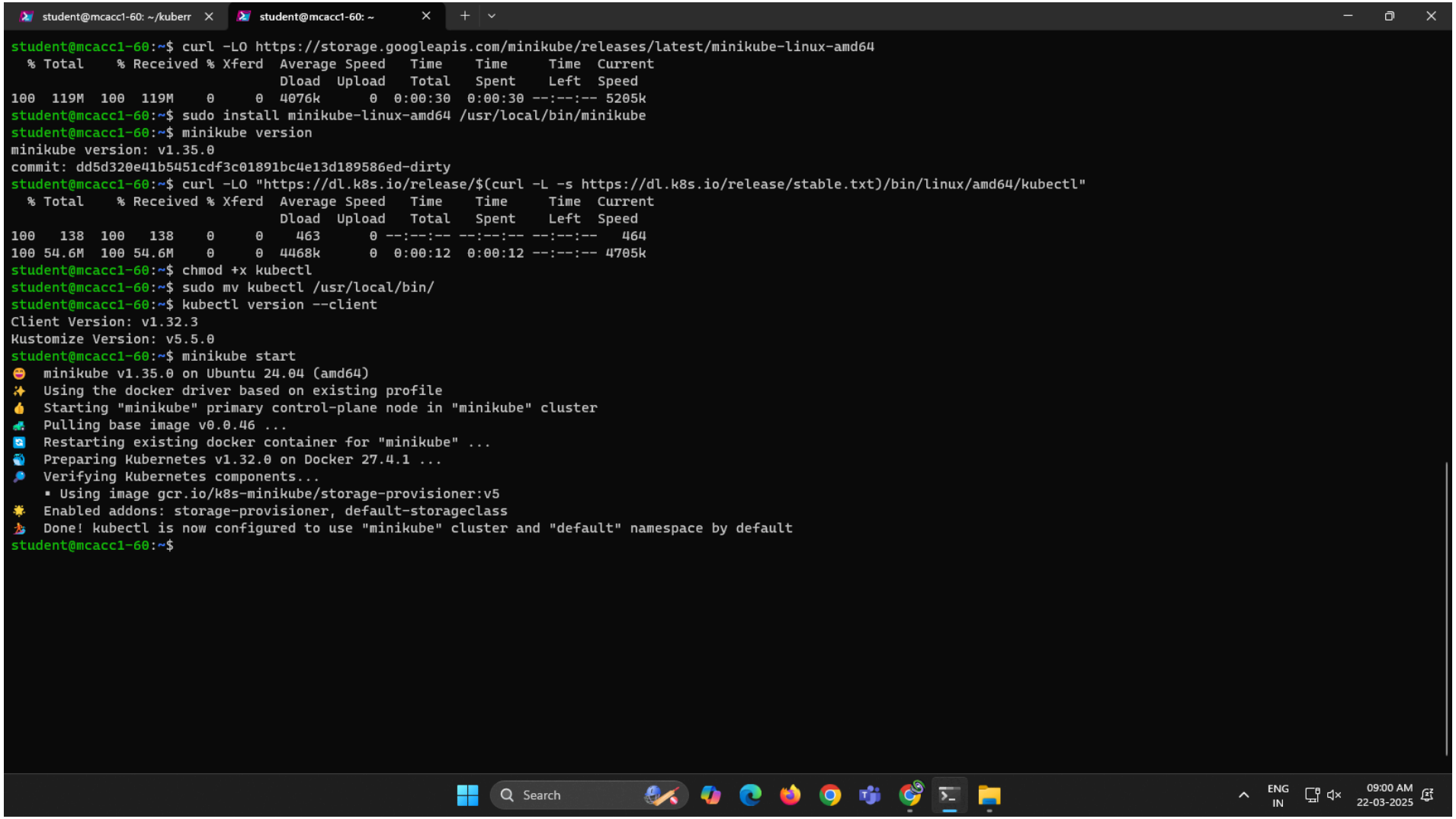
Setting up kubectl: Step 4



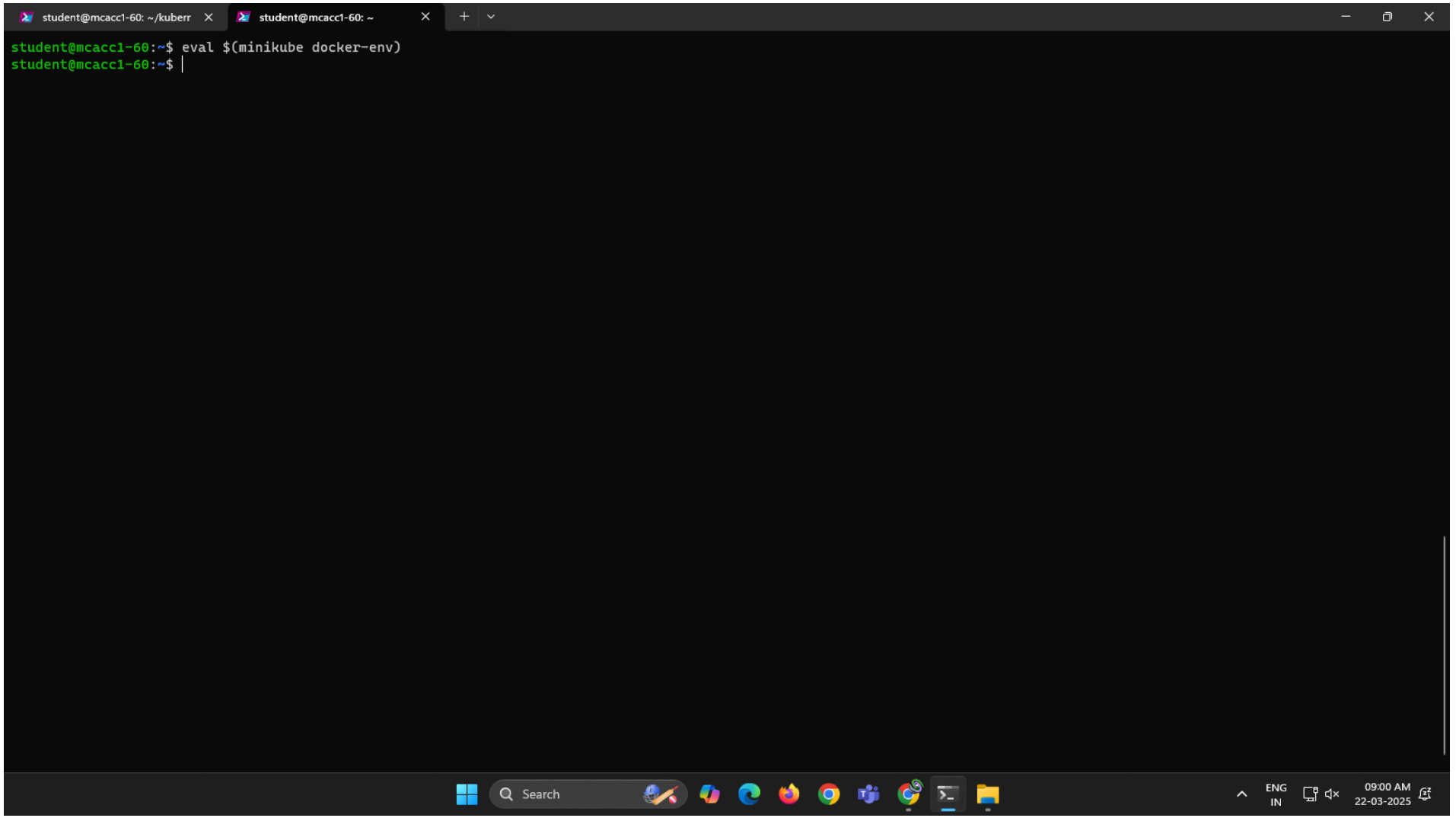
Kubernetes installation using minikube



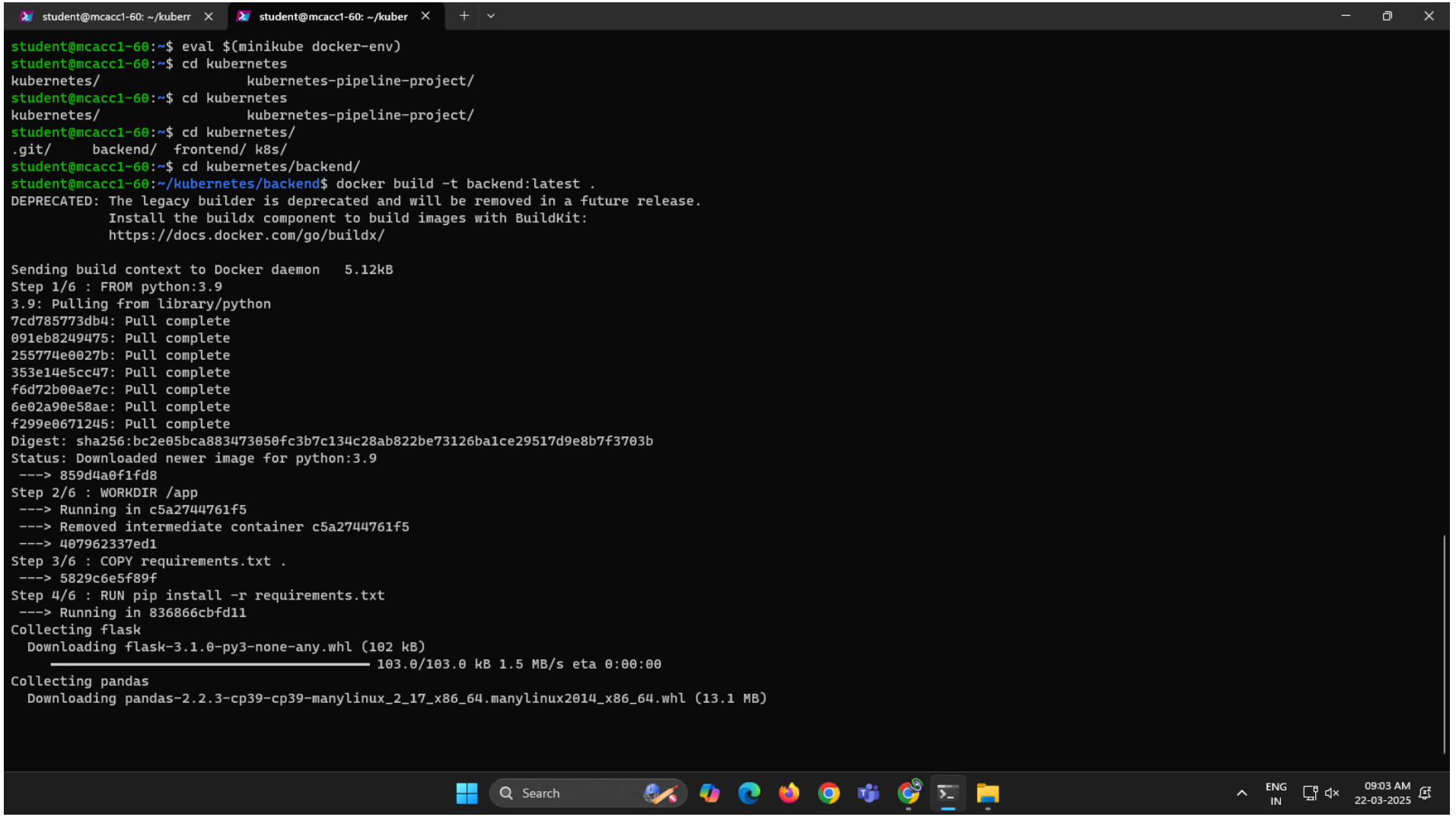
List kubernetes nodes



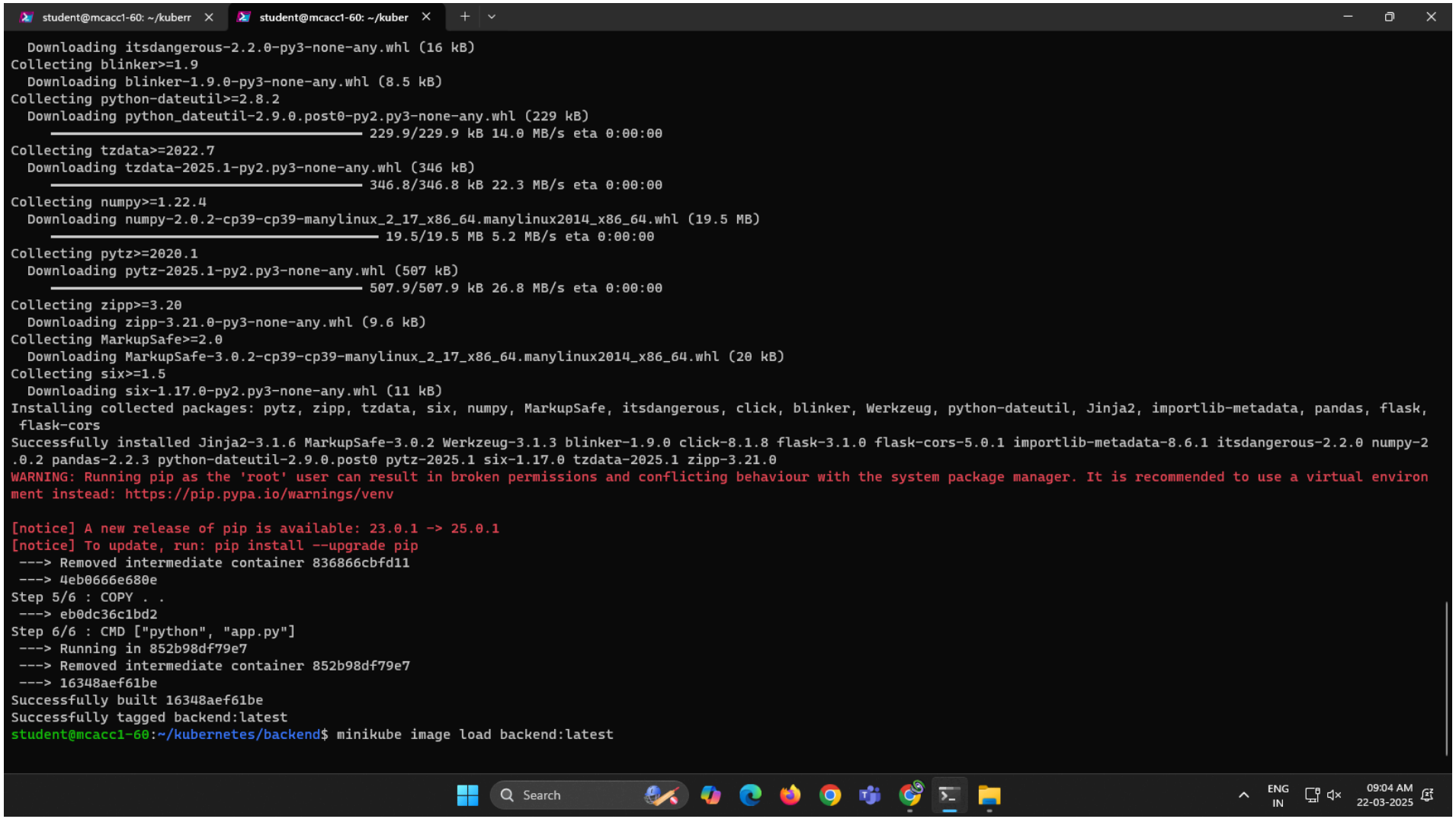
Setting up environments



Building image for backend

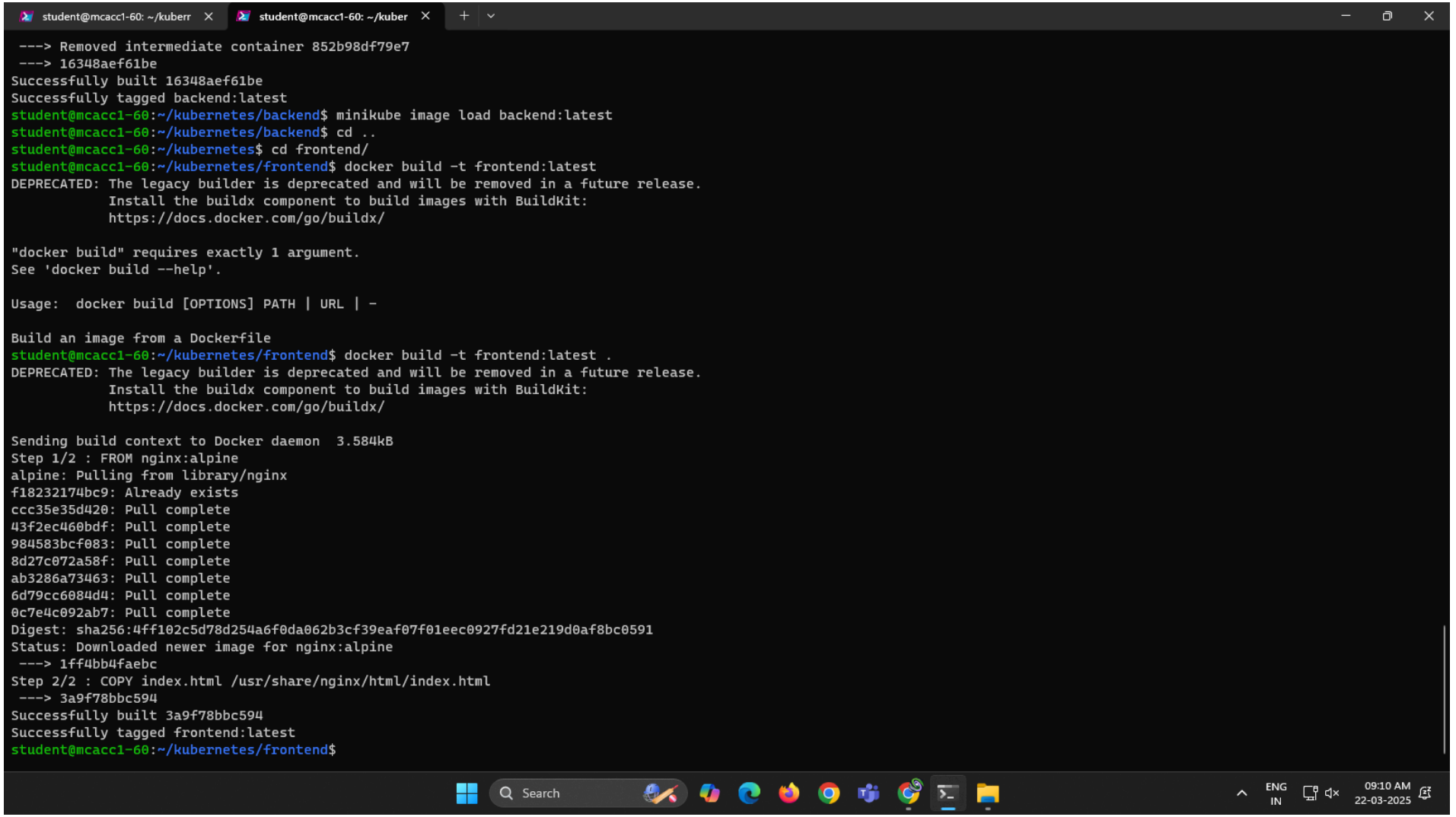


Loading backend image in kubernetes

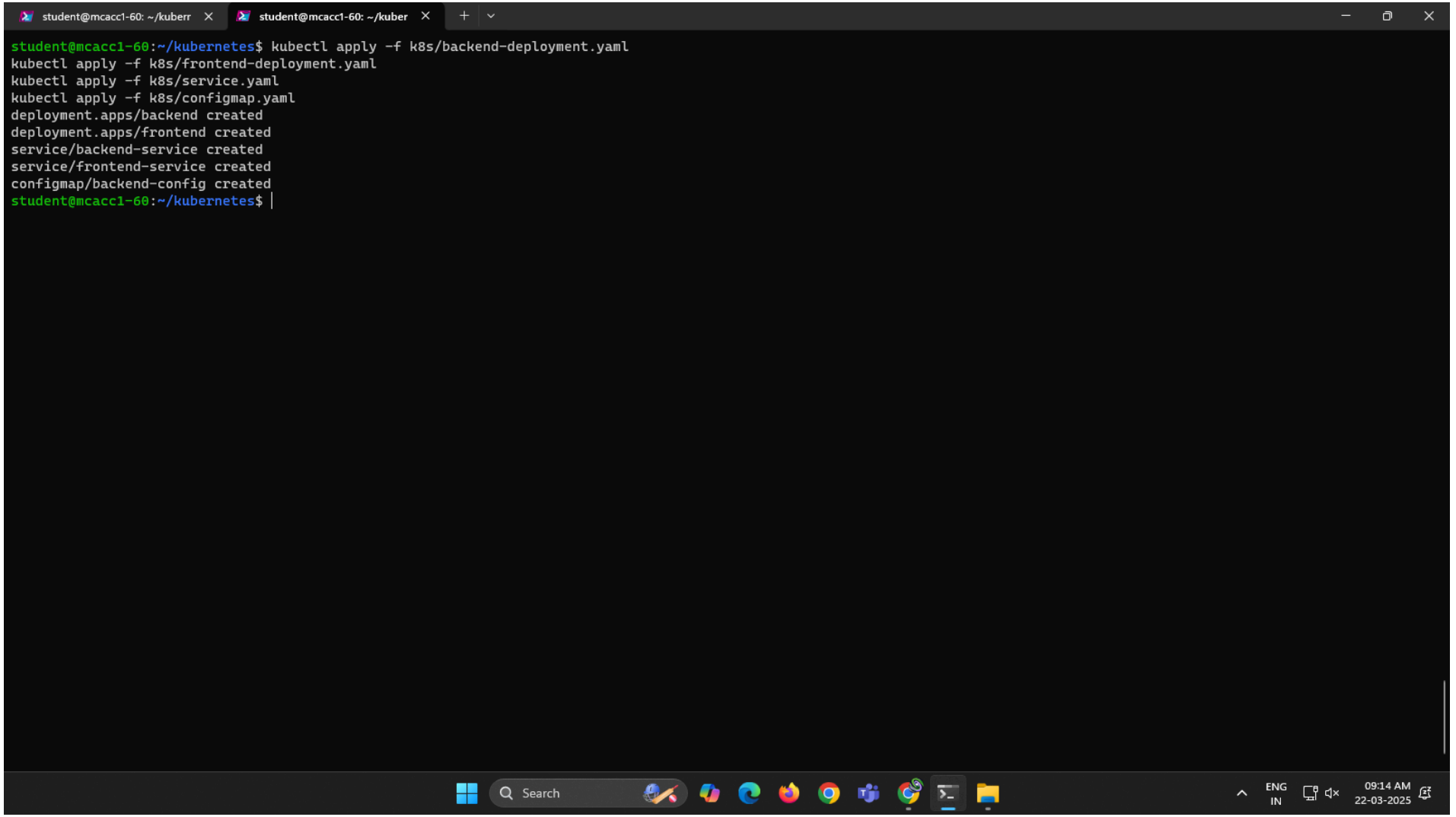


Just like this, load the frontend:latest image

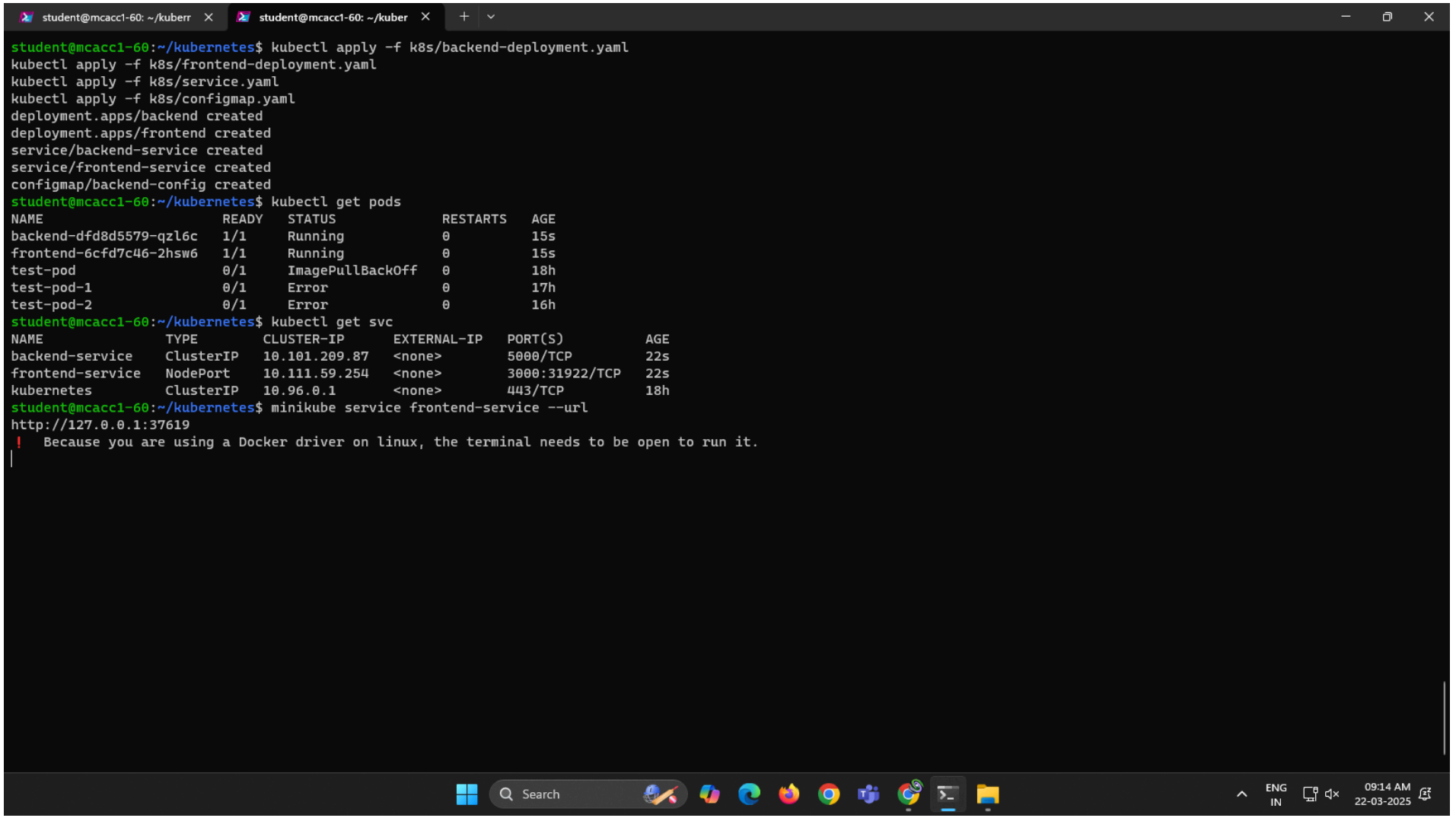
Building image for frontend



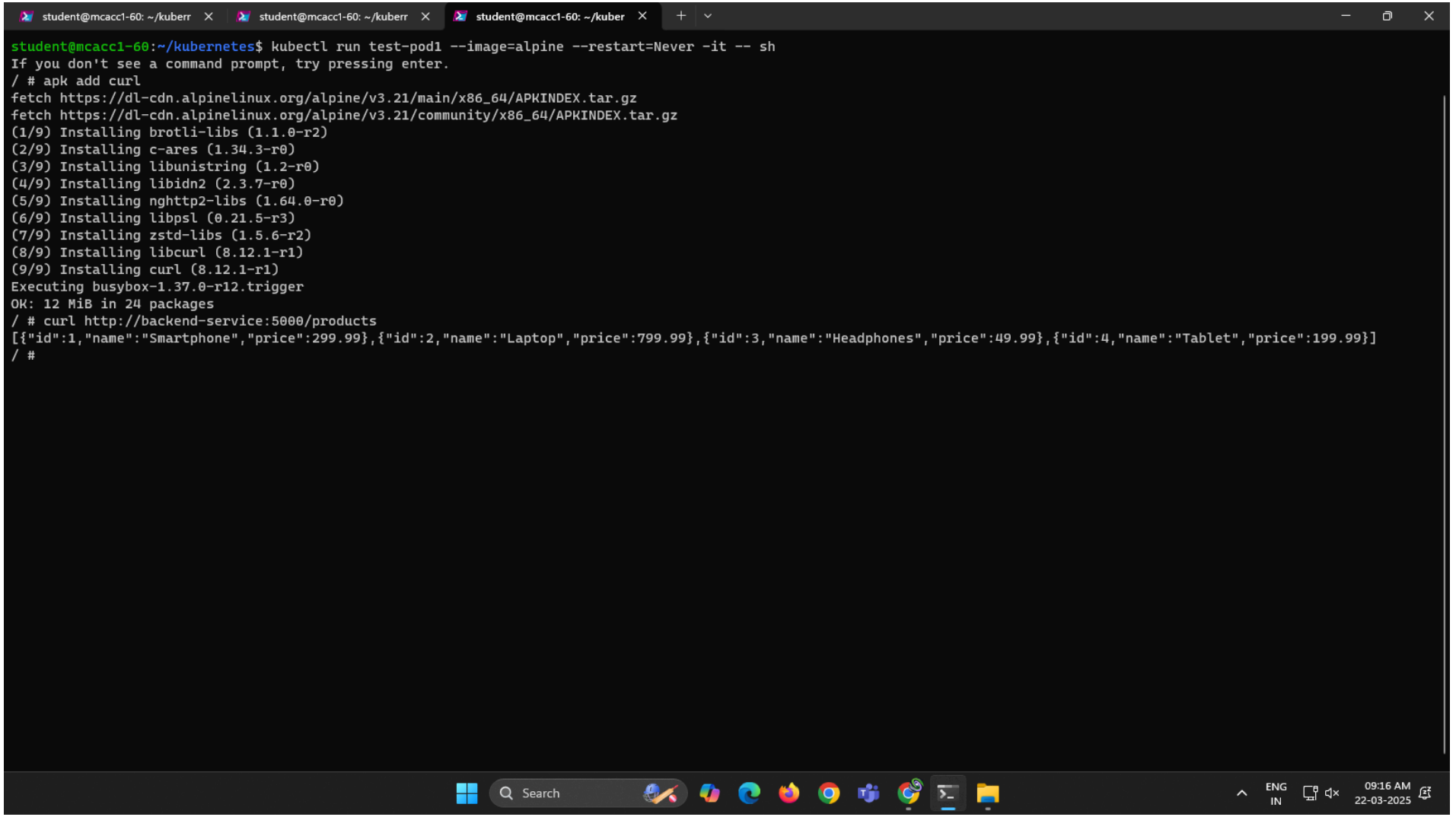
Applying k8s configurations



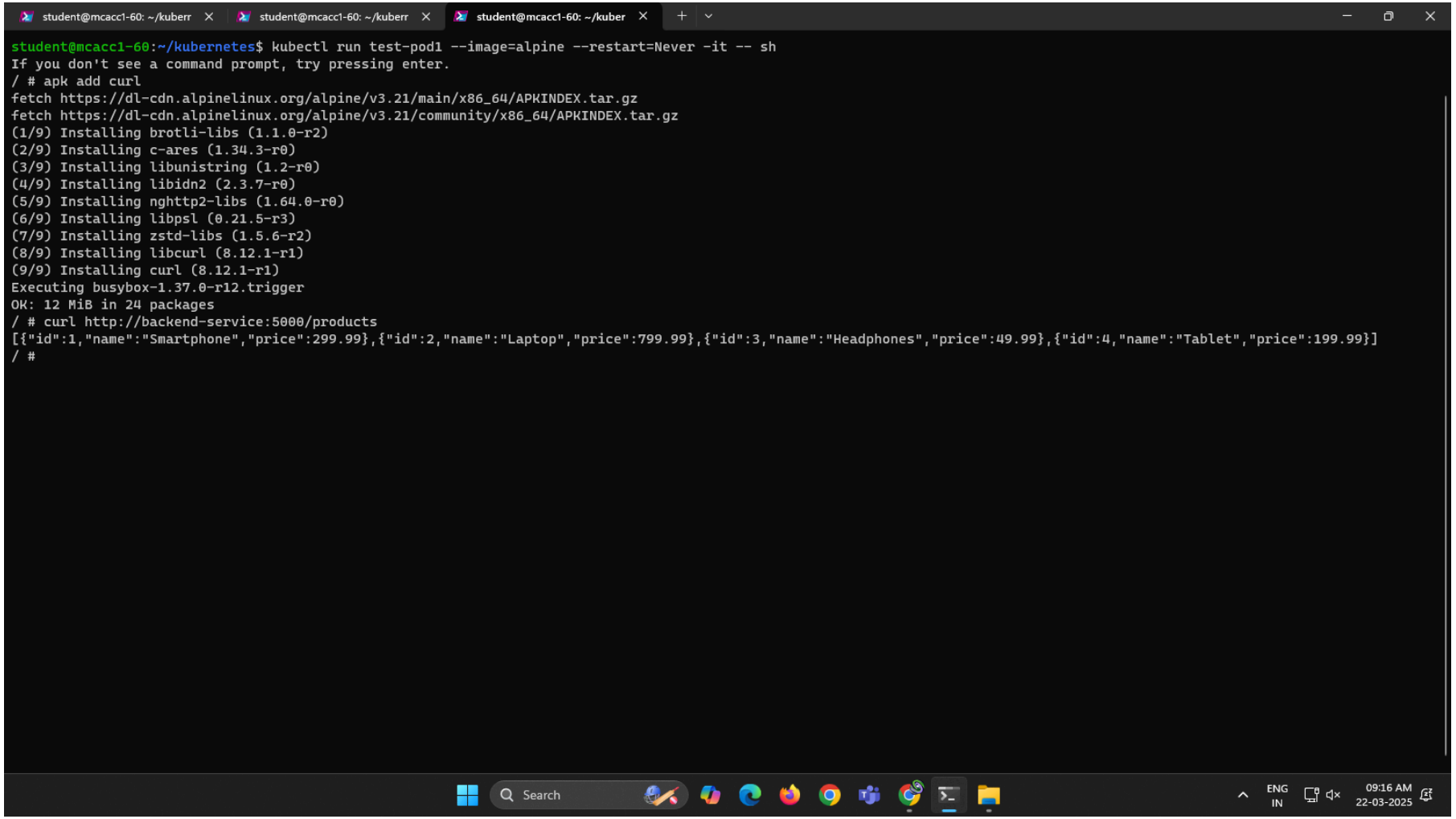
Running frontend services inside a pod



Running backend services inside a pod



Frontend service and backend service can be seen inside a browser



The fetch request moves to failed state as we are running the servies in wsl. Due to windows firewall and windows defender, accessing resources from an unknown http url is restricted

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End of day 3 and 4 assignment