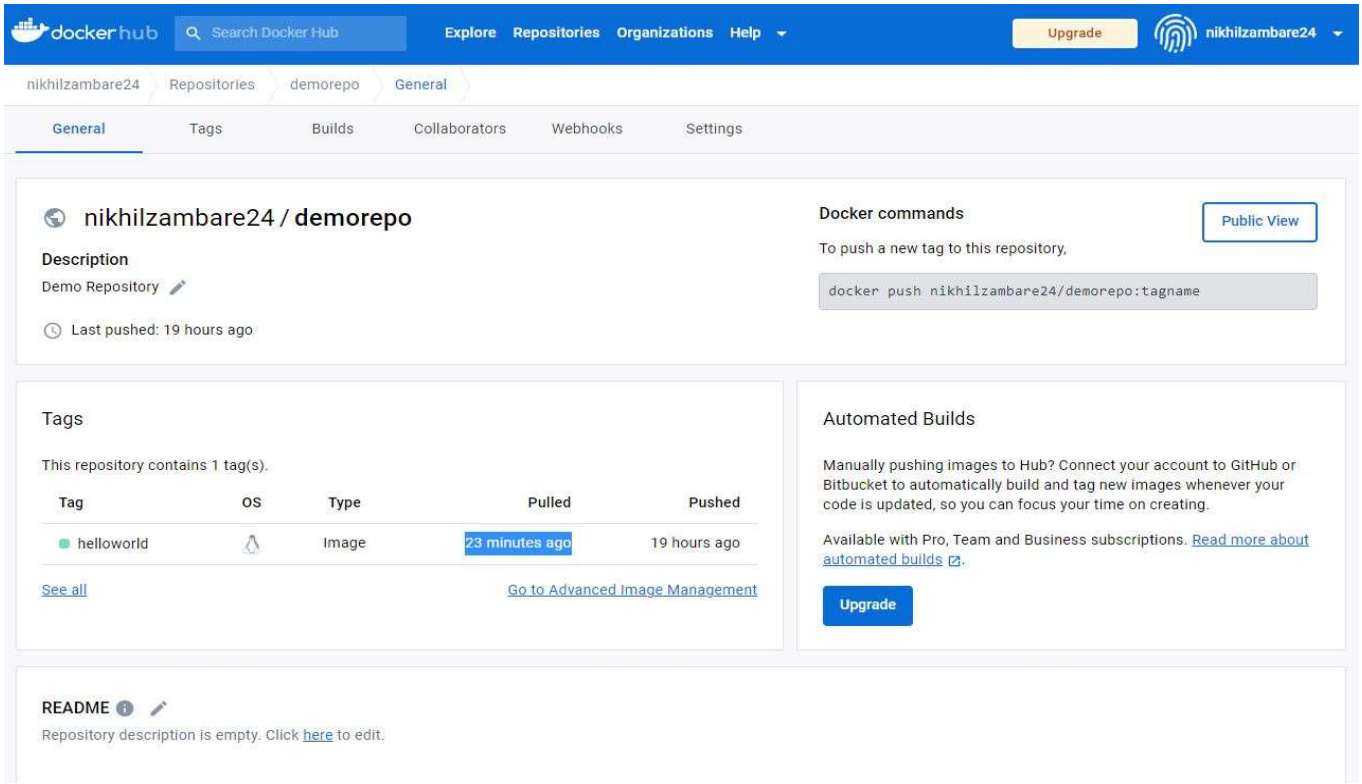
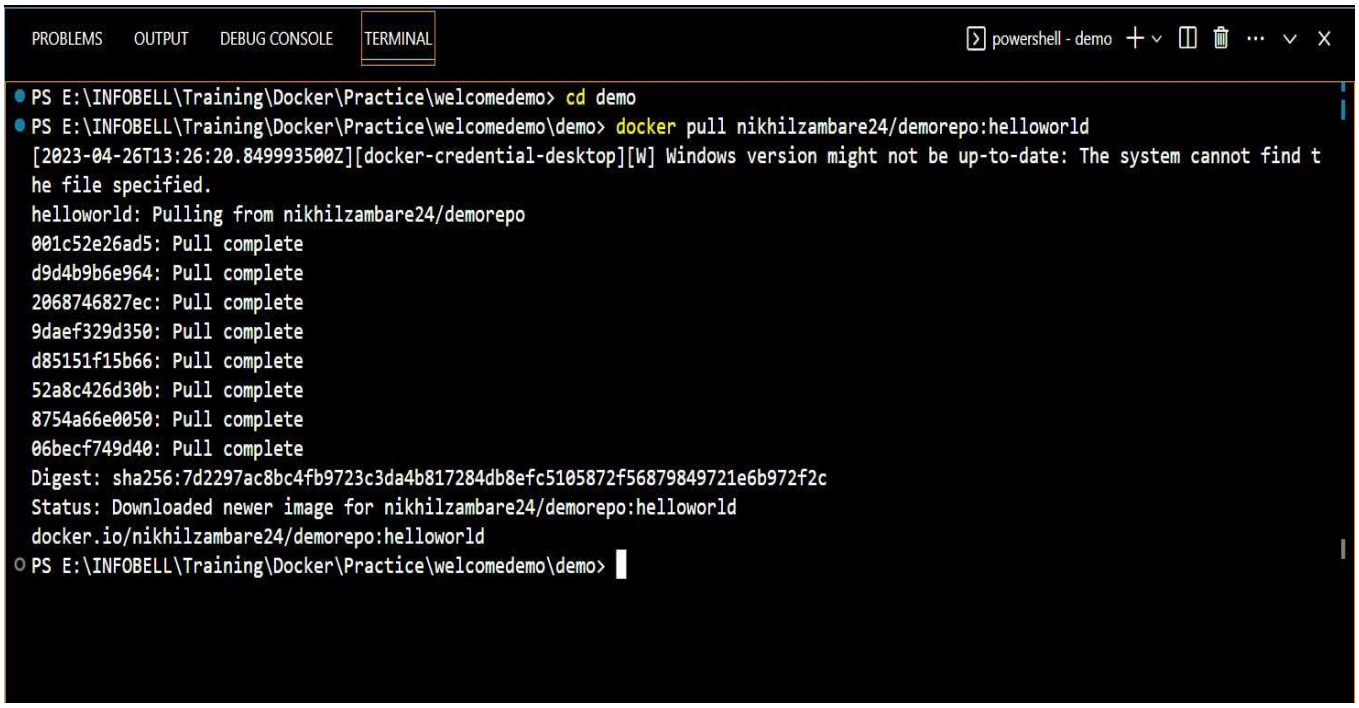
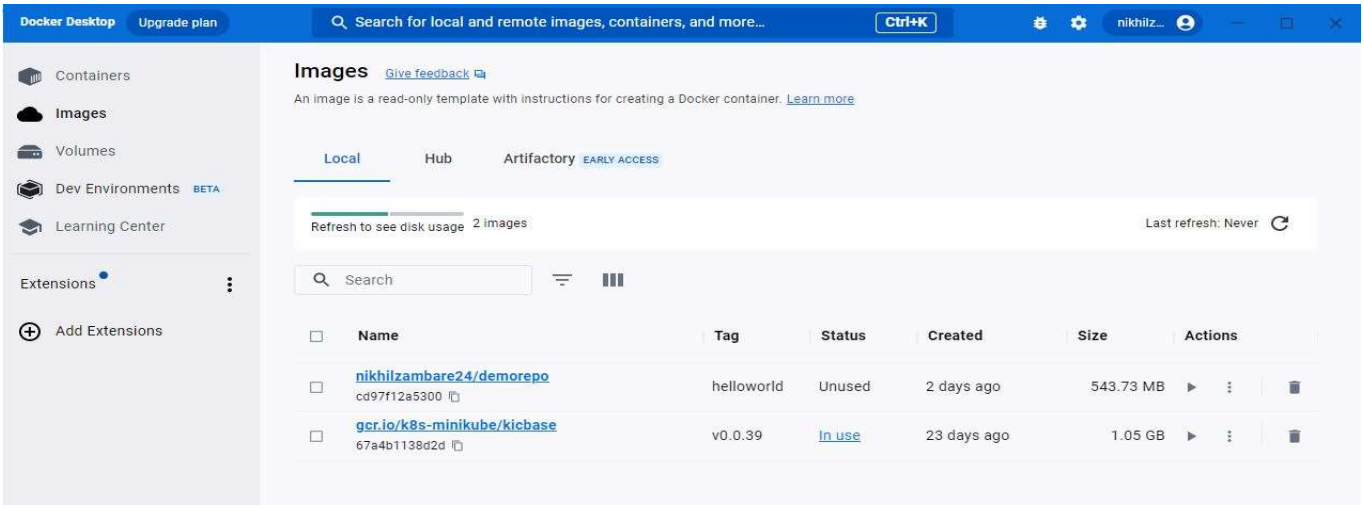
- Kubernetes Error Resolve & Basic commands

// Firstly, Pulled an image having tag helloworld from my repository on docker hub account



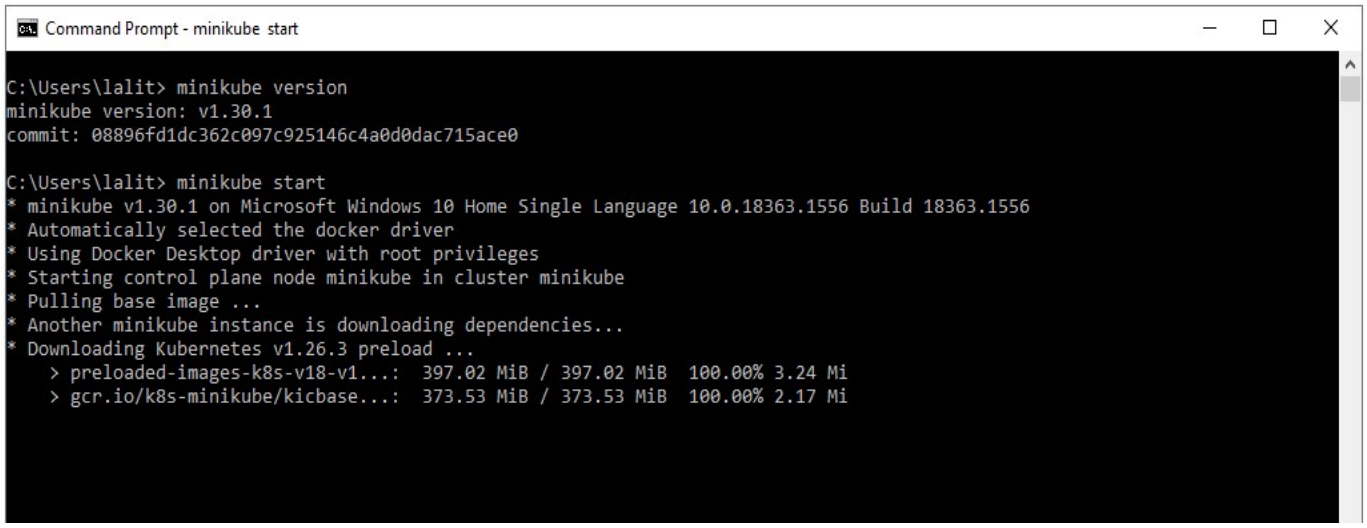


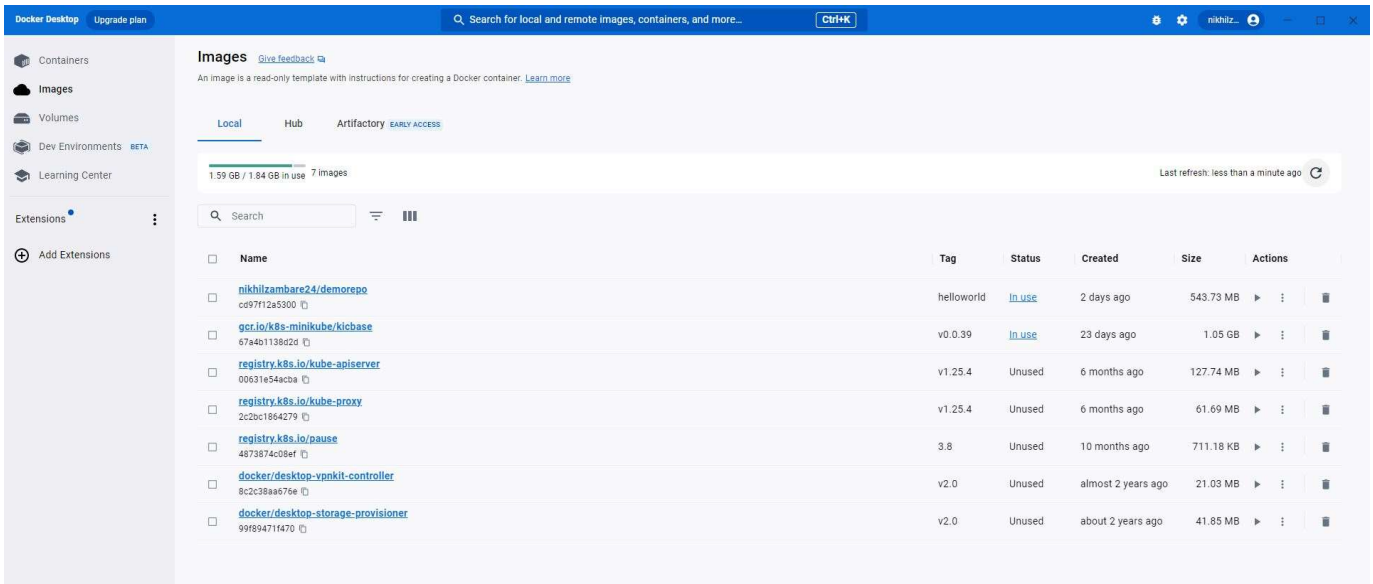
// Image with tag helloworld reflected on Docker desktop after pulled



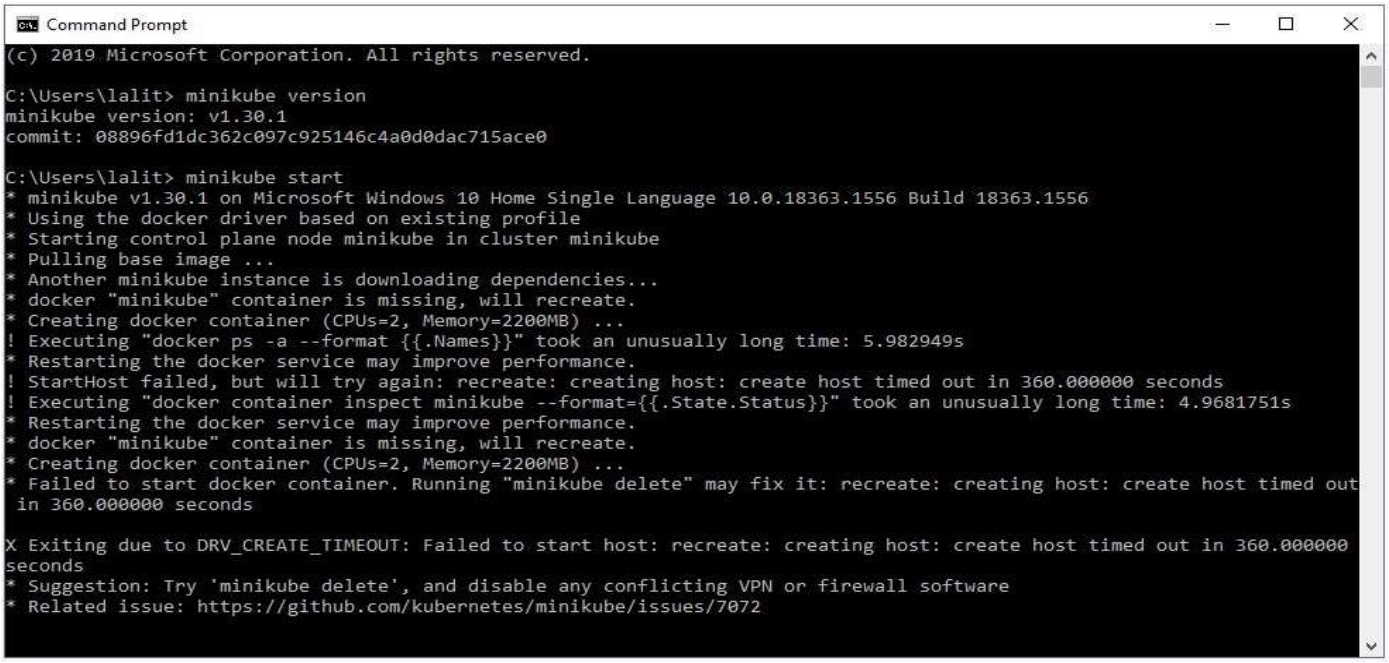
// to display the version of Minikube that is currently installed on your local machine

// to start a single-node Kubernetes cluster using Minikube on your local machine



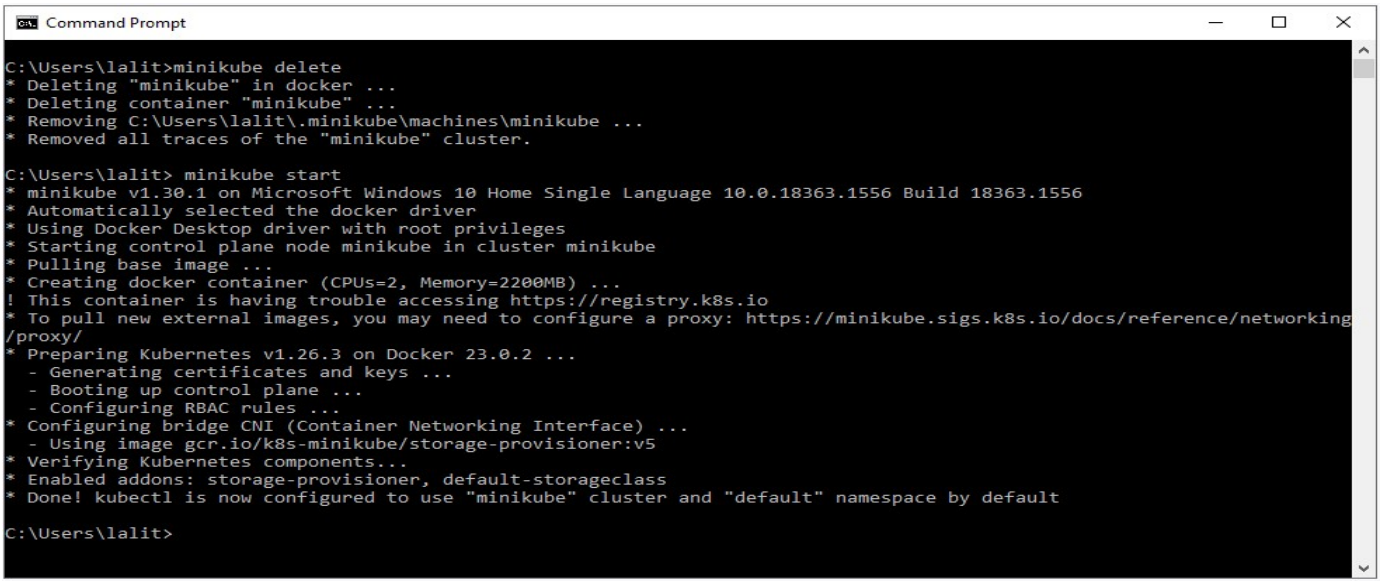


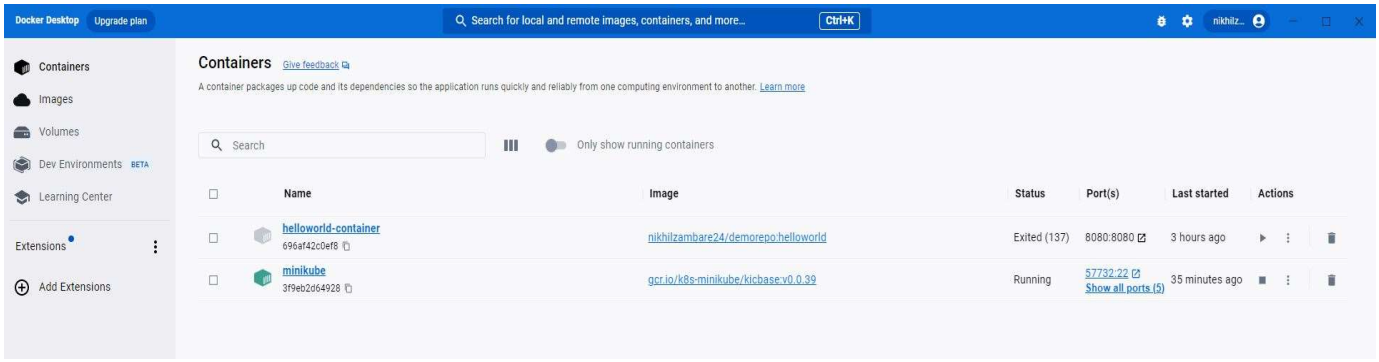
// Encountered an error while performing minikube start



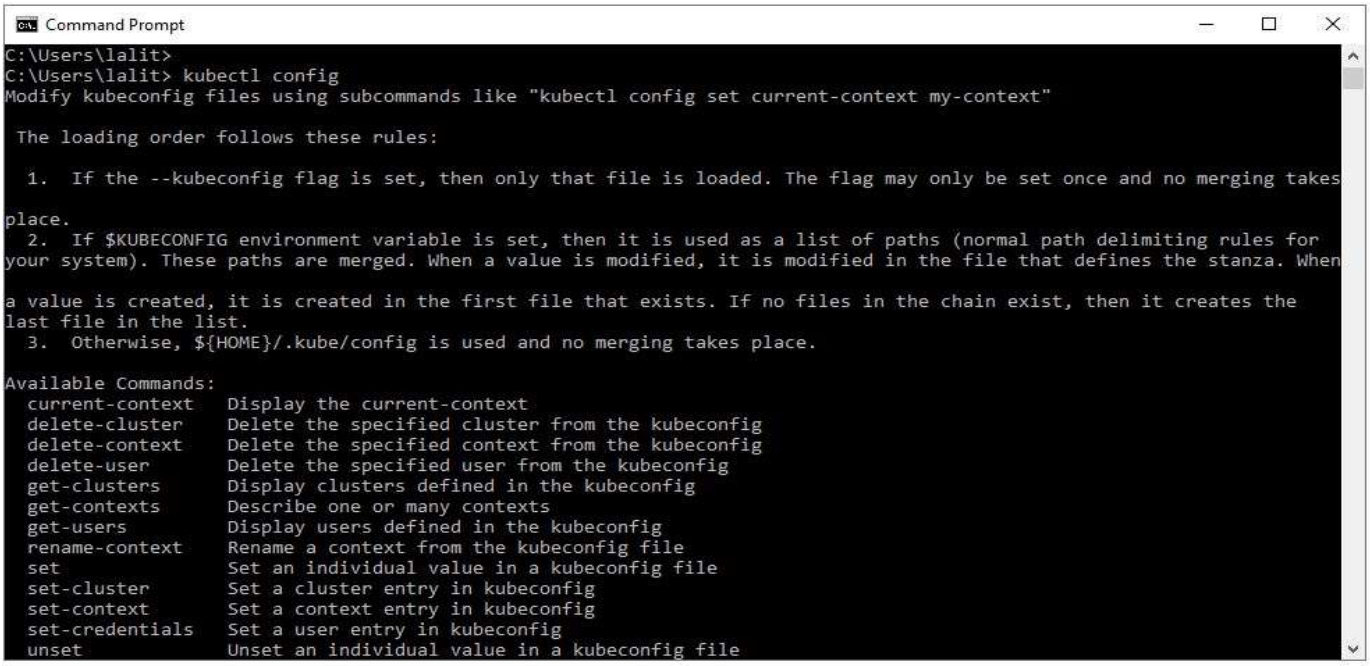
// Deleted the minikube generated (minikube delete)

// After deletion tried to start minikube again



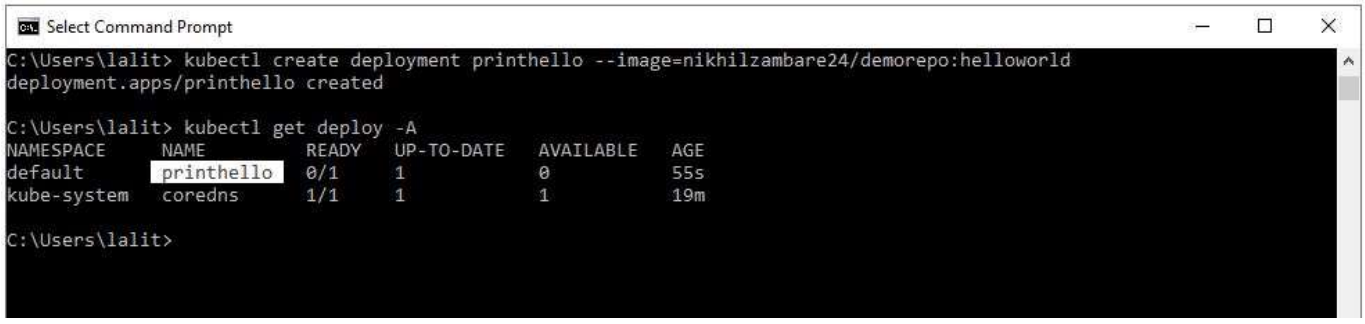


// to manage Kubectl's configuration file. This file contains information such as the cluster to connect to, the user to authenticate as, and the namespace to operate within.

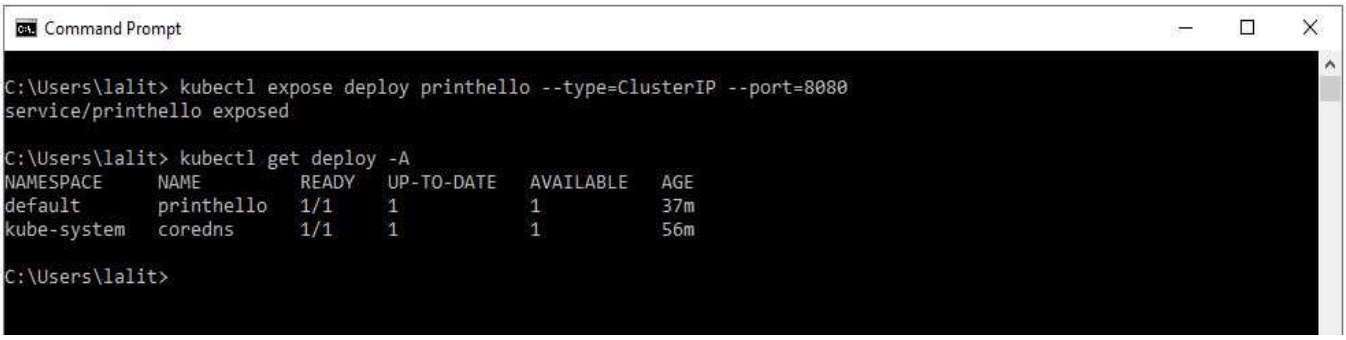


// to create a new deployment in a Kubernetes cluster. A deployment is a Kubernetes resource that manages a set of replicas of a specified container image.

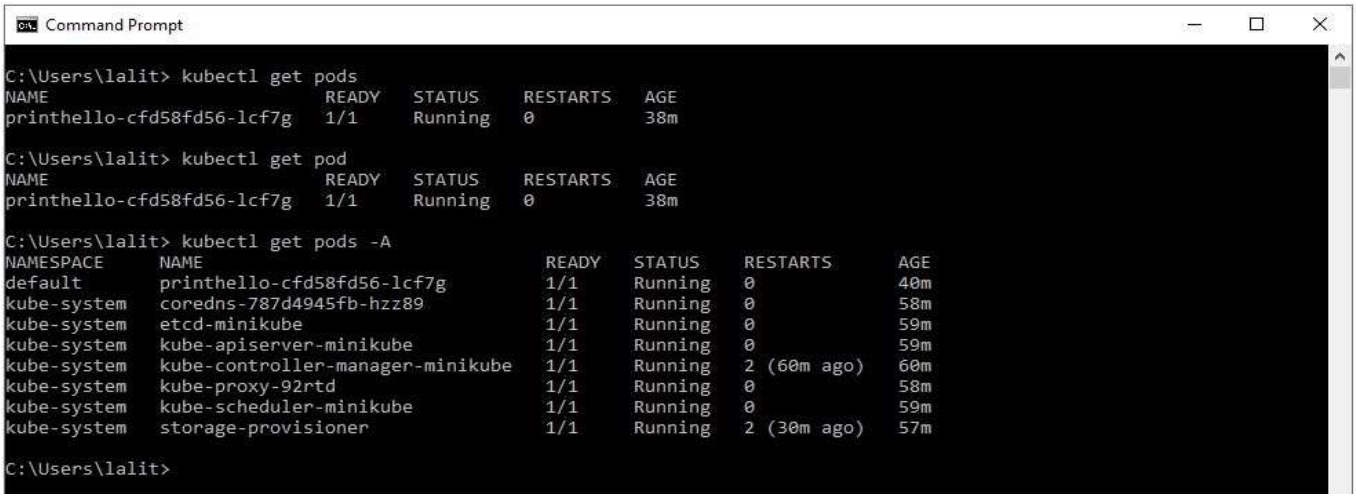
// to lists all the deployments in the Kubernetes cluster, regardless of the namespace they belong to.



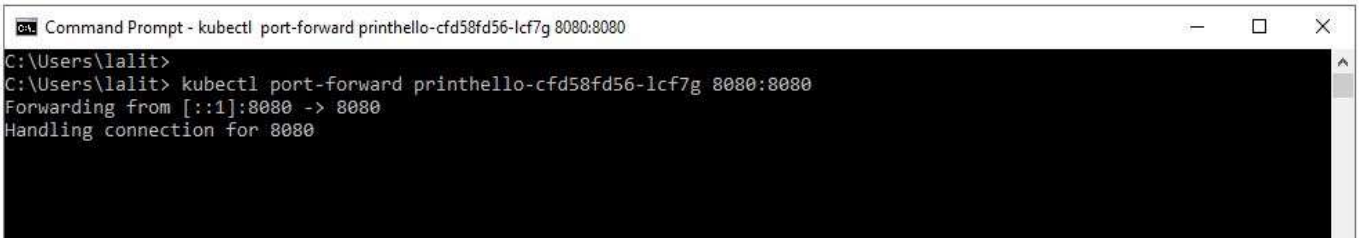
// to create a Kubernetes Service that exposes the specified deployment to the cluster network.



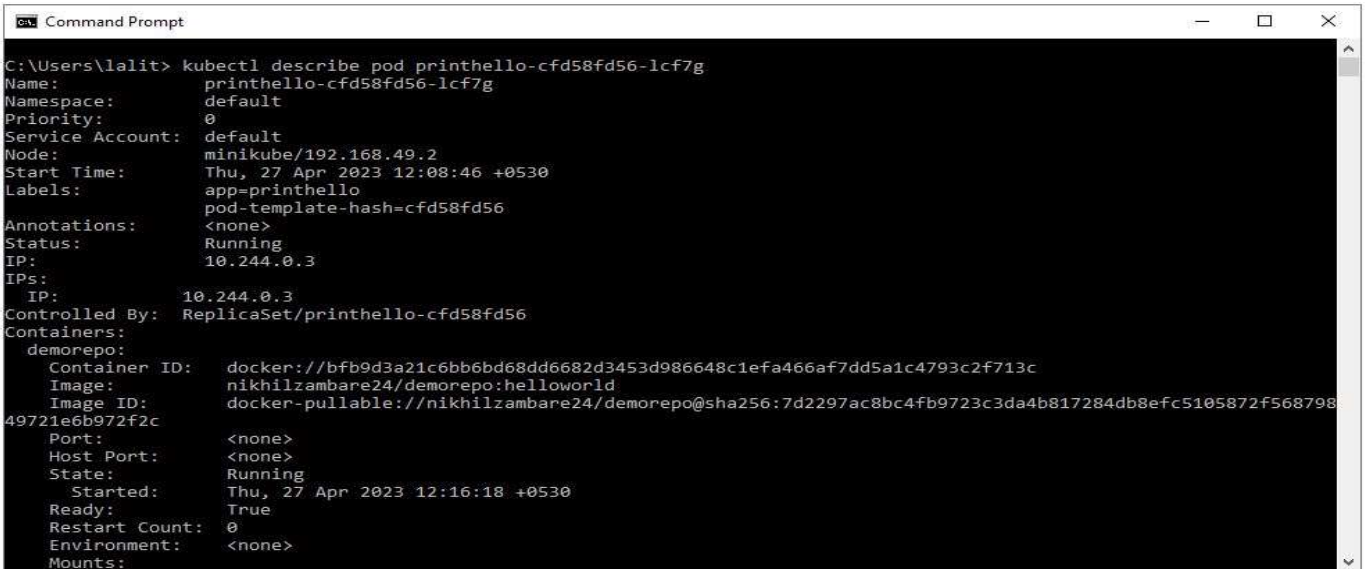
// to retrieve information about the pods that are currently running in the Kubernetes cluster.



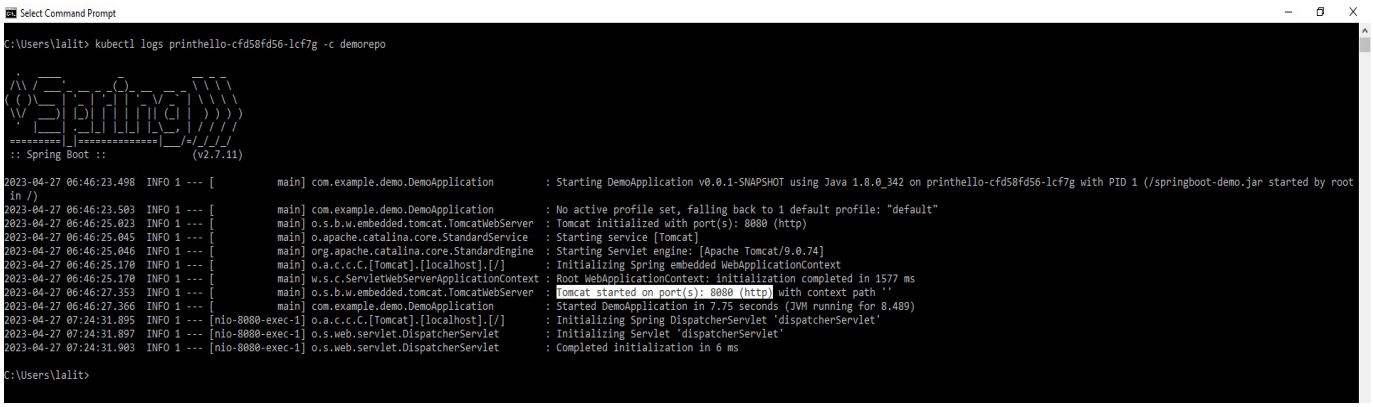
// to create a secure tunnel between a local port on your machine and a specified port on a pod running in a Kubernetes cluster. This allows you to access the pod's services as if they were running on your local machine.



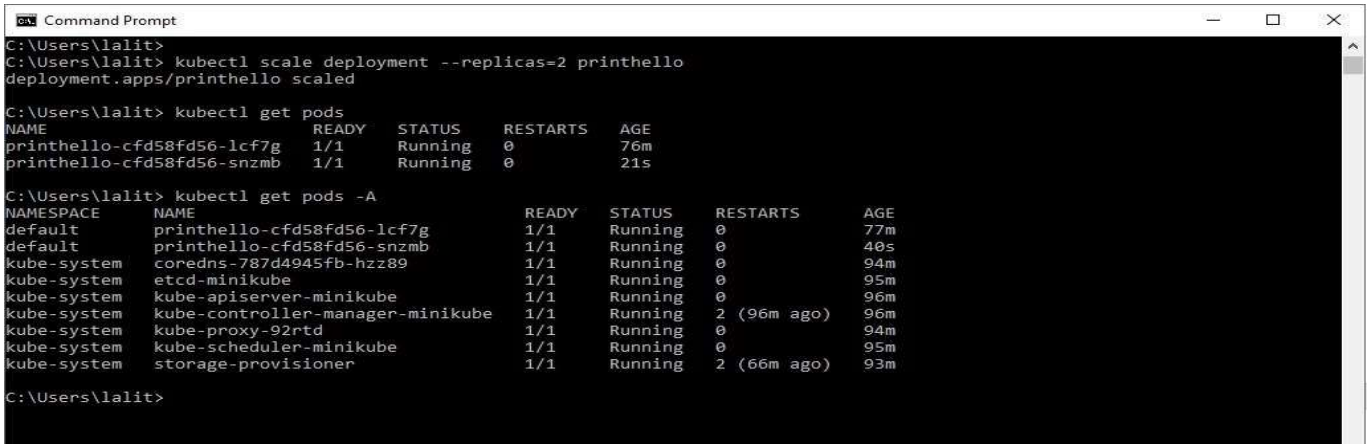
// to provide detailed information about the specified pod, including its name, namespace, IP address, start time, labels, annotations, status, containers, volumes, and events.



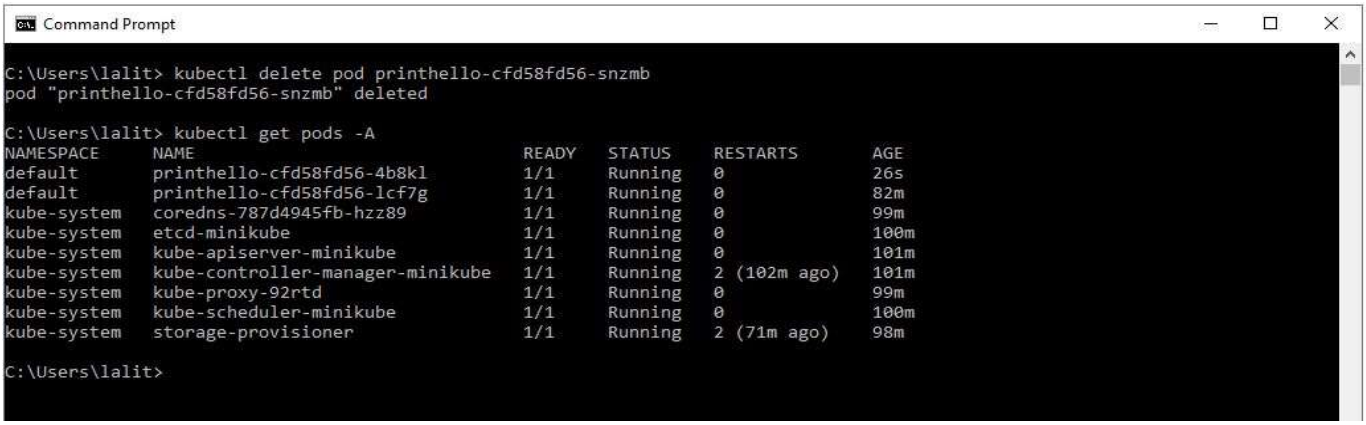
// to show the logs for the demorepo container in the printhello-cfd58fd56-lcf7g pod



// to scale up the deployment named printhello to 2 replicas. Each replica will create a pod that runs the container defined in the deployment's template.



// to delete a specific pod



// launches the Kubernetes dashboard in your default web browser.

The Kubernetes dashboard allows you to view and manage various aspects of your Kubernetes cluster, including deployments, services etc.