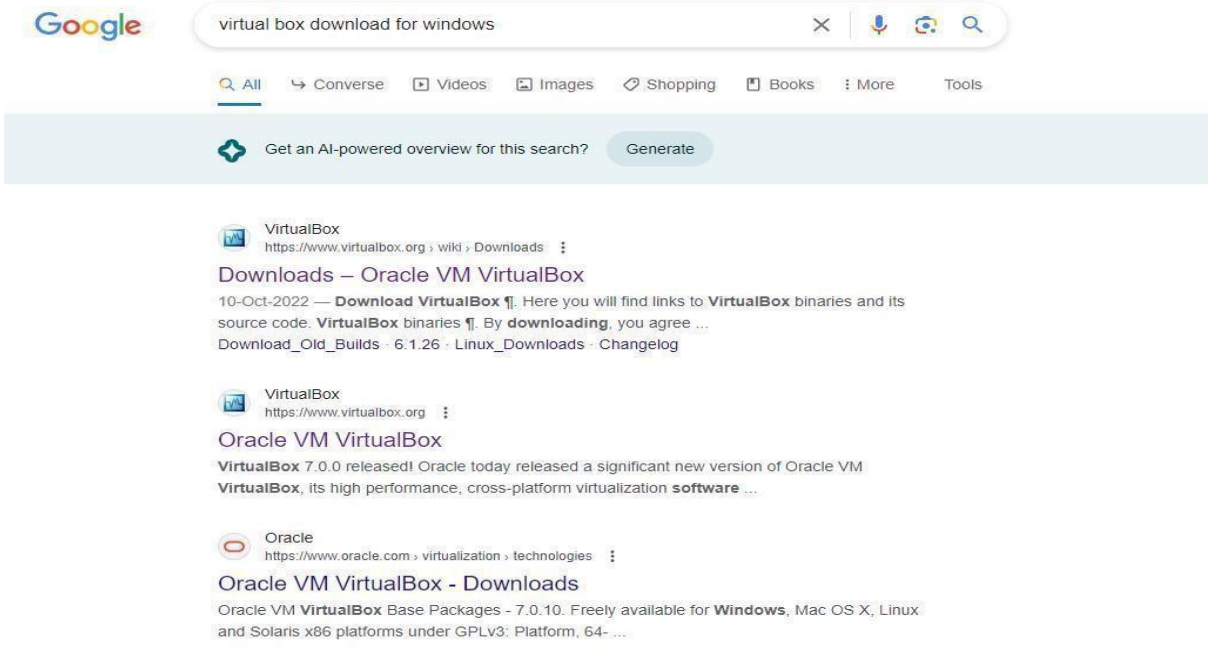
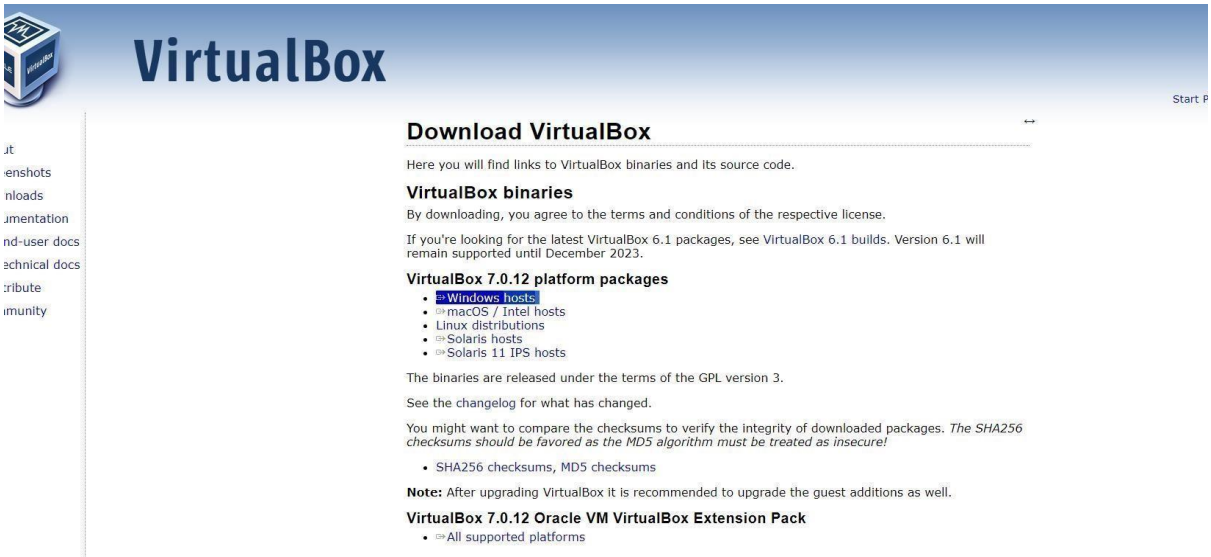
RHEL 9

Installation

Virtual Box Installation

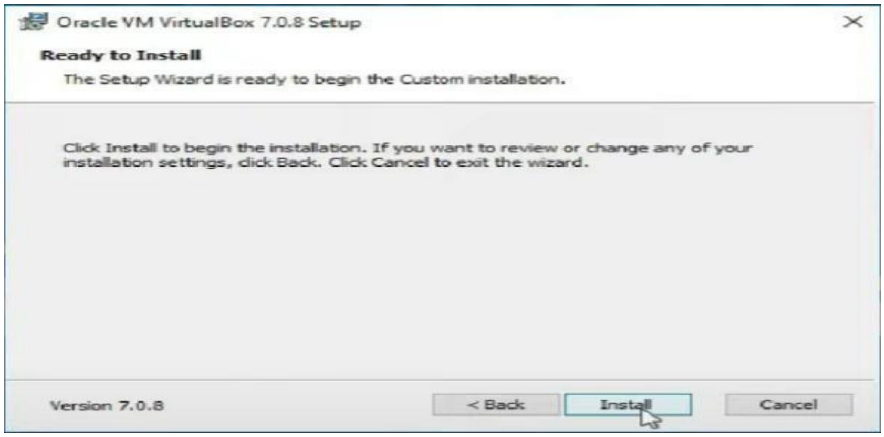
- Download & install the Virtual Box





- Once the virtual box is downloaded double click to install it & click on next

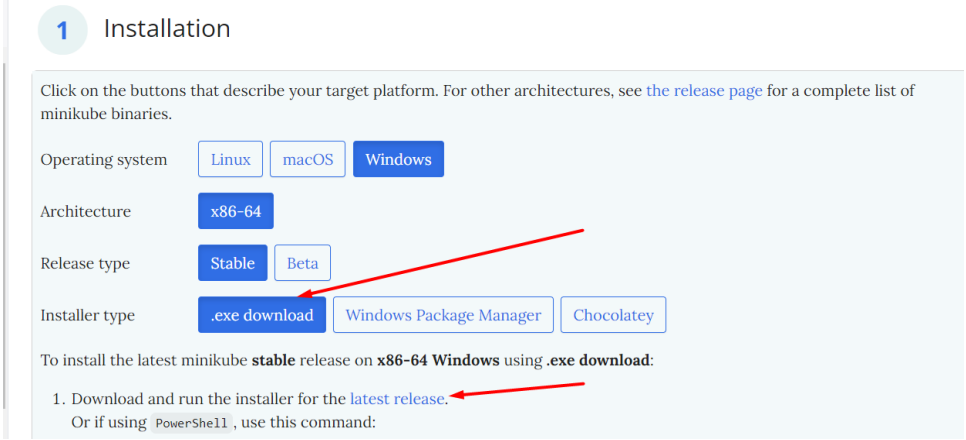
- Click on Install & then finish



MINIKUBE Installation

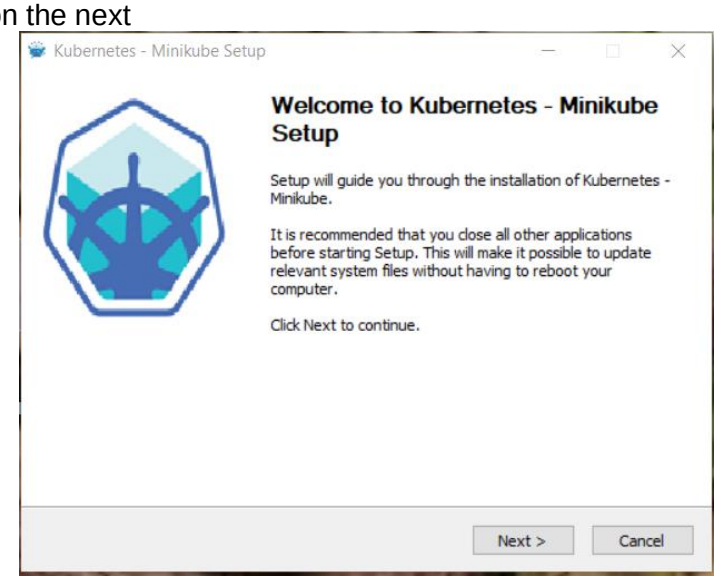
Step 1 - Download the minikube from the following Link

https://minikube.sigs.k8s.io/docs/start/

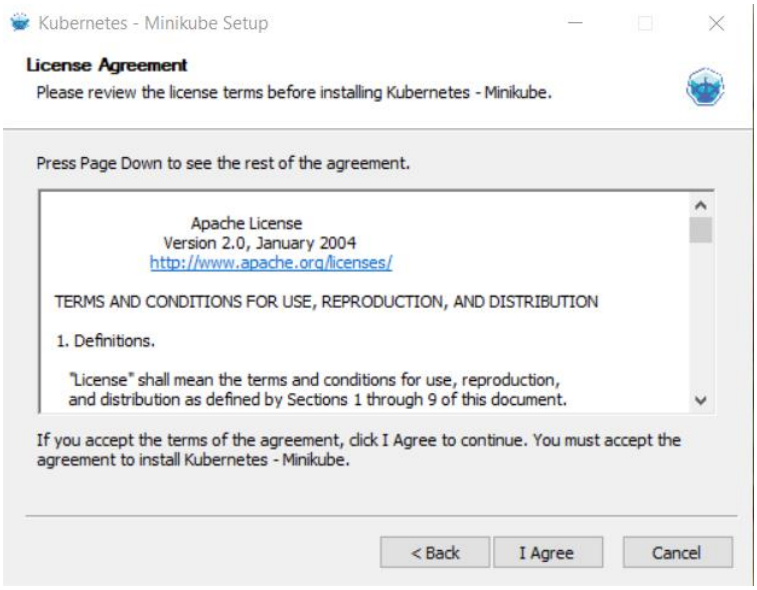


Step 2 - Select a language

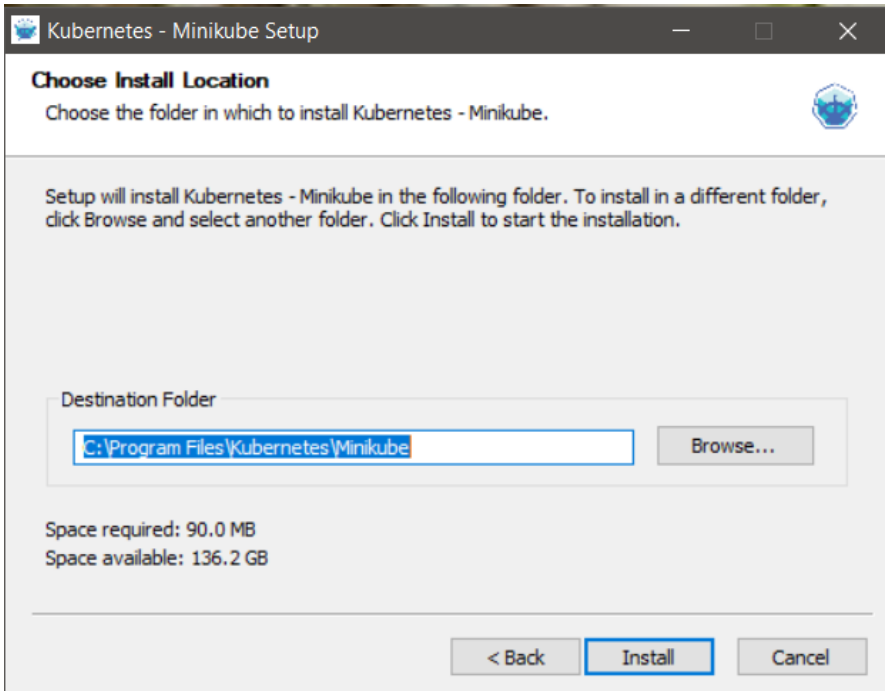
Step 3 - Just click on the next

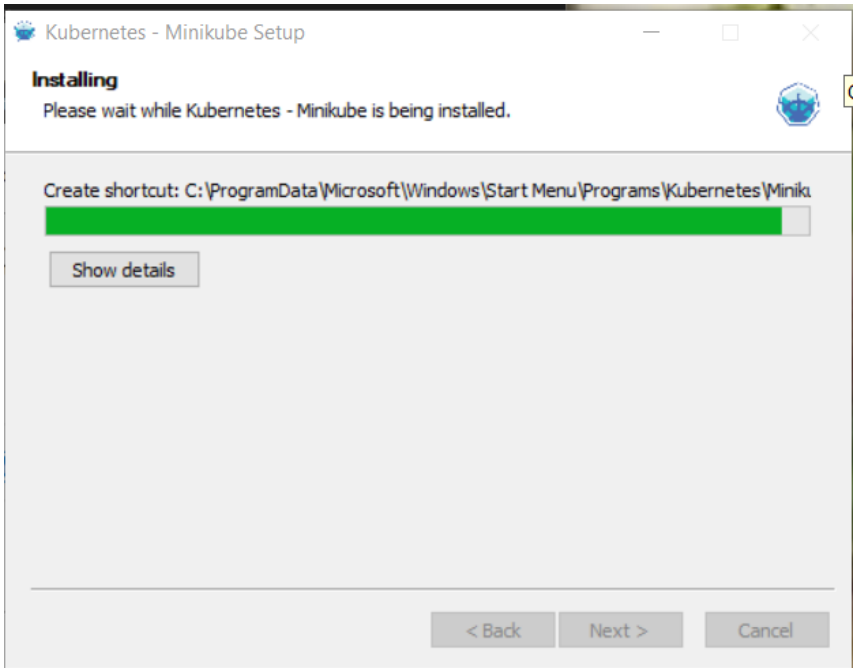


Step 4 - Accept the license agreement

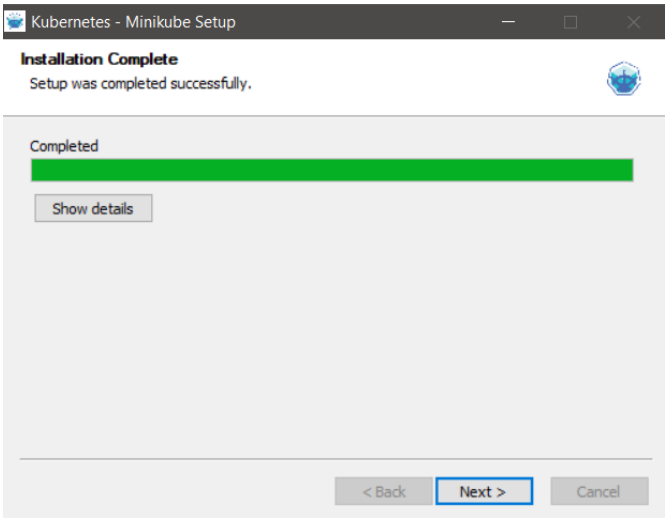


Step 5 - Click on Install to begin the installation

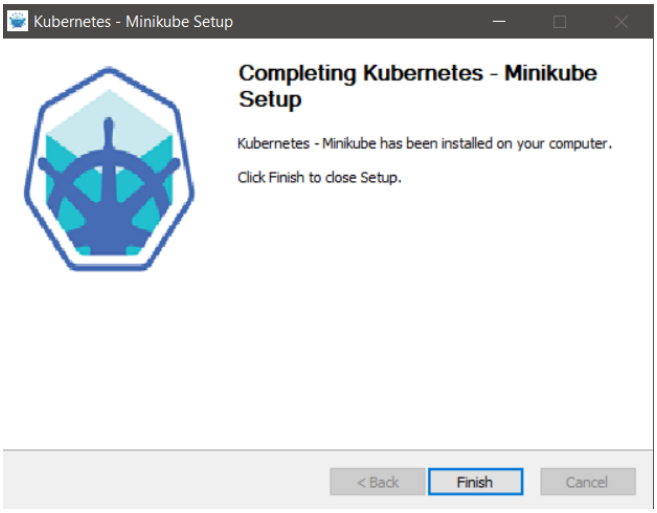




Step 6 - Click on next



Step 7 - Click on Finish



Step 8 - Go to the **same directory** in which minikube is installed & run the following command

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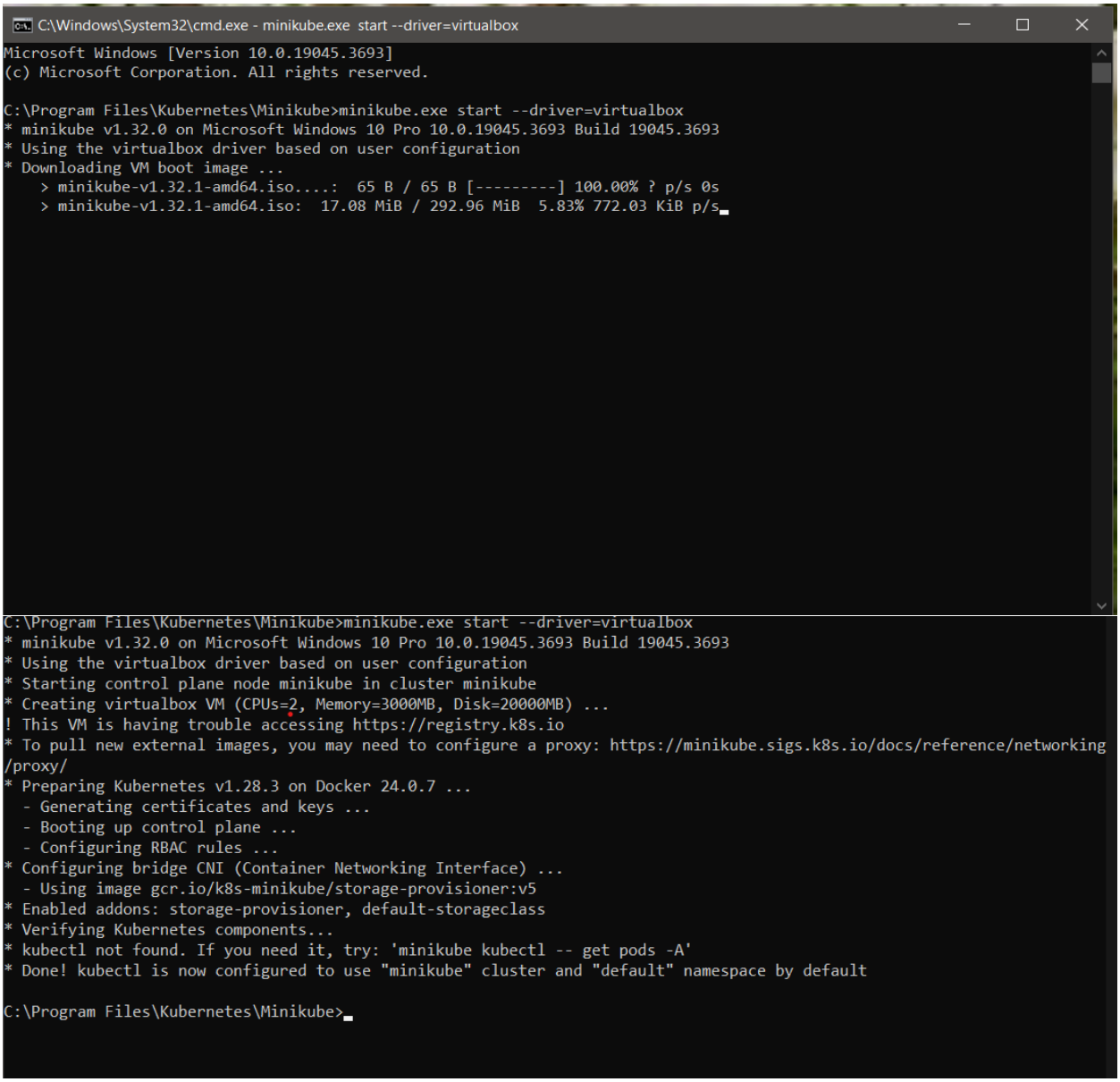
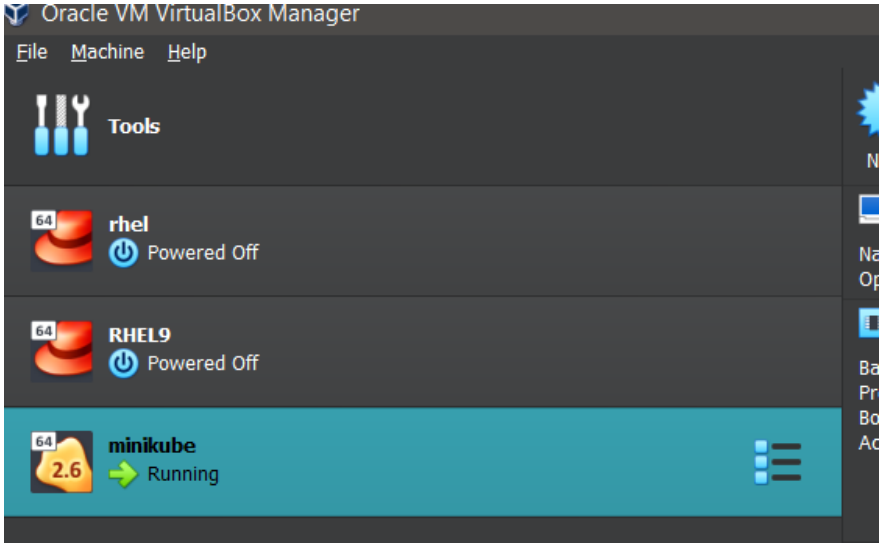
Command :- **minikube.exe start - - driver=virtualbox**



Step 9 - Once the above command has run successfully a new Virtual machine with the name minikube will be added to the virtual box



Step 10 - Installing the kubectl command URL
(https://kubernetes.io/docs/tasks/tools/install-kubectl-windows)

Command: -

```
curl.exe -LO "https://dl.k8s.io/release/v1.28.4/bin/windows/amd64/kubectl.exe"
```

```
C:\Program Files\Kubernetes>curl.exe -LO "https://dl.k8s.io/release/v1.28.4/bin/windows/amd64/kubectl.exe"
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   138  100   138    0     0    294      0 --:--:-- --:--:-- --:--:--   297
100 48.2M  100 48.2M    0     0  3372k      0  0:00:14  0:00:14 --:--:-- 3565k

C:\Program Files\Kubernetes>kubectl get pods
No resources found in default namespace.

C:\Program Files\Kubernetes>kubectl cluster-info
Kubernetes control plane is running at https://192.168.59.101:8443
CoreDNS is running at https://192.168.59.101:8443/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.

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```
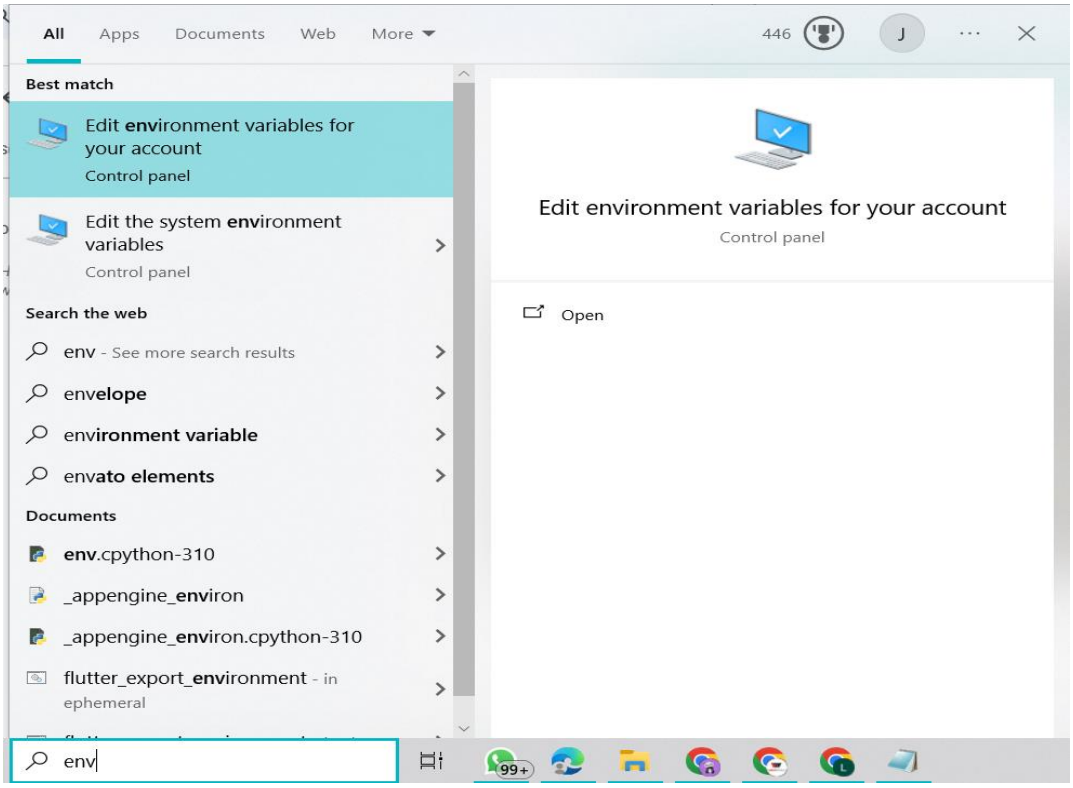
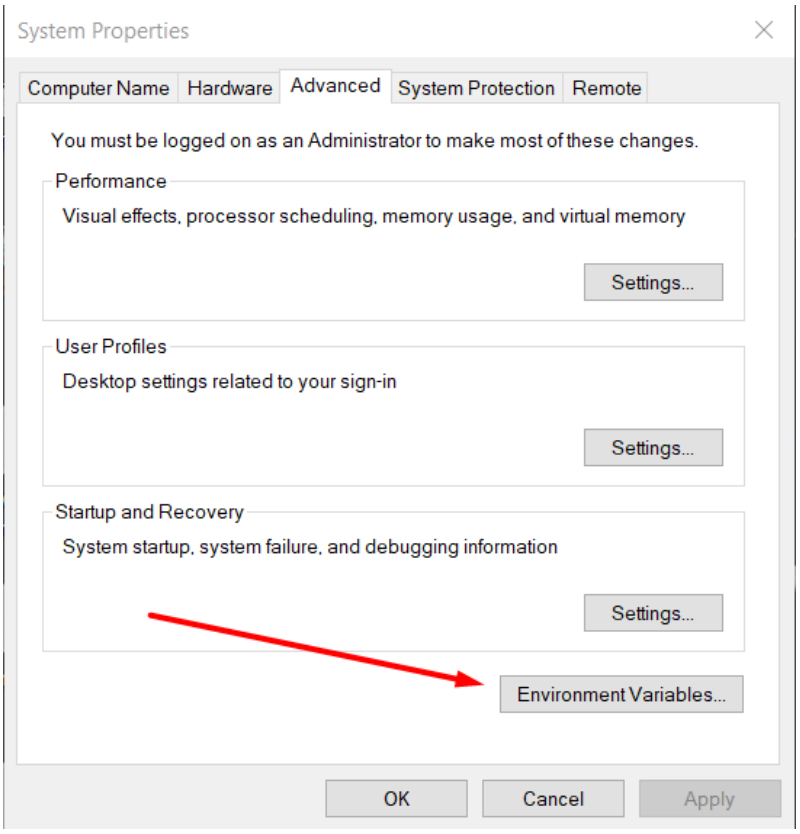

Step 11 - Setting env variable for kubectl & Minikube

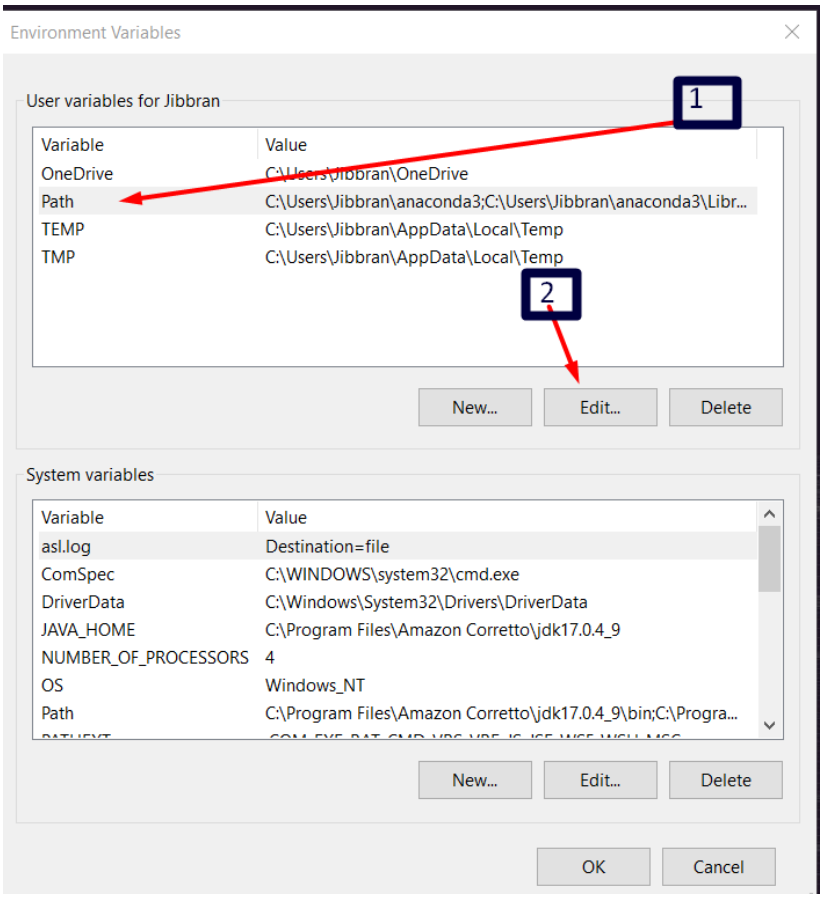
- Search for ENV in the taskbar



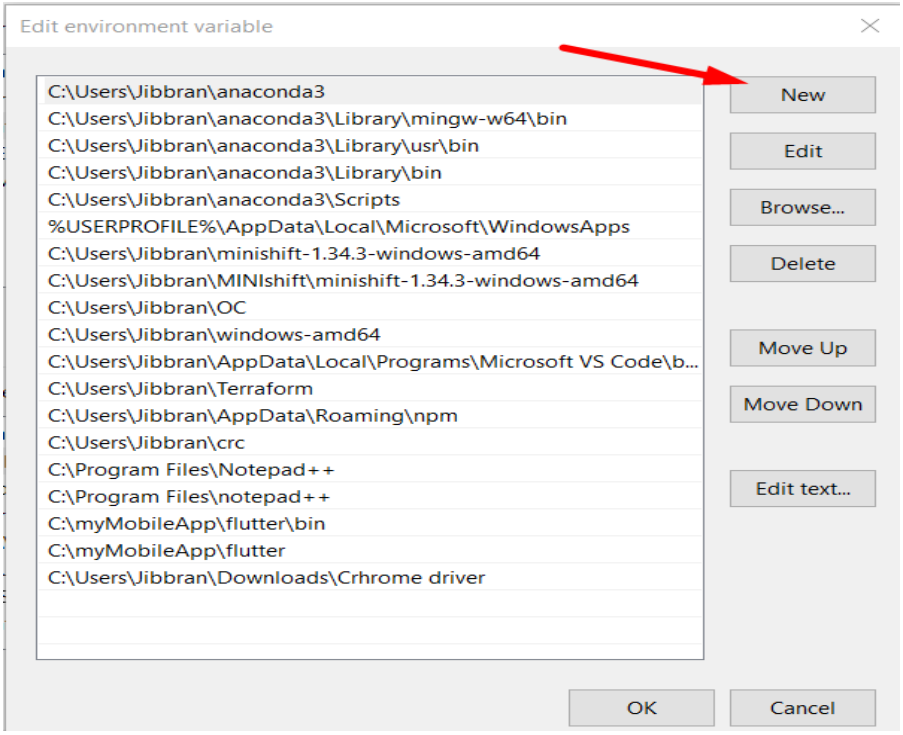
- Click on Environmental Variable



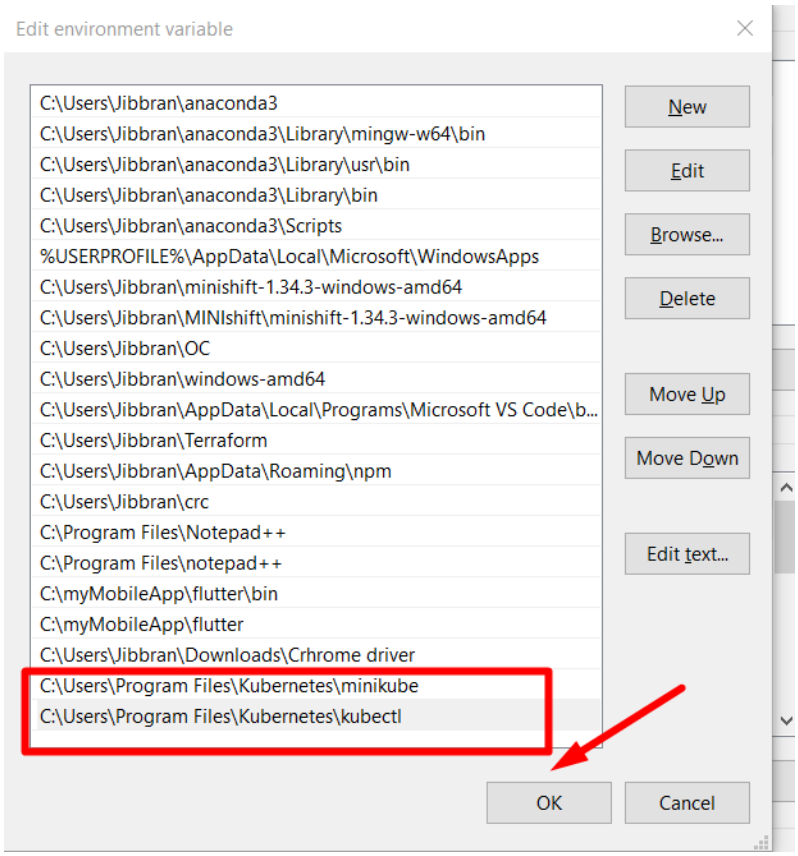
- Select Path & click on edit



- Click on new



- Enter the path of the folder in which the **minikube & kubectl** command is downloaded



Minikube is Successful Installed