

NAME : KARTIK BHUWAD

ROLL NO : 83

Batch : A4

☐ Install minikube

Search in browser

Install minikube

☐ Create folder C:\
Minikube

Open windows shell

Set path of minikube

C:\Users\DYPATU> cd..

C:\Users> cd..

C:> cd minikube

C:\minikube>

Paste link

C:\minikube> New-Item -Path 'c:\' -Name 'minikube' -ItemType Directory -Force

```
>> Invoke-WebRequest -OutFile 'c:\minikube\minikube.exe' -Uri  
'https://github.com/kubernetes/minikube/releases/latest/download/minikube-windows-  
amd64.exe' -UseBasicParsing
```

C:\minikube> dir

Open windows shell run as administrator:

Paste in shell

```
$oldPath = [Environment]::GetEnvironmentVariable('Path',  
[EnvironmentVariableTarget]::Machine)  
>> if ($oldPath.Split(';') -notcontains 'C:\minikube'){  
>> [Environment]::SetEnvironmentVariable('Path', $('{0};C:\minikube' -f $oldPath),  
[EnvironmentVariableTarget]::Machine)  
>> }
```

```
C:\WINDOWS\system32> $oldPath = [Environment]::GetEnvironmentVariable('Path',  
[EnvironmentVariableTarget]::Machine)  
>> if ($oldPath.Split(';') -notcontains 'C:\minikube'){  
>> [Environment]::SetEnvironmentVariable('Path', $('{0};C:\minikube' -f $oldPath),  
[EnvironmentVariableTarget]::Machine)  
>> }
```

Check environmental path in minikube set

Install virtual box:

Search this link in browser- <https://www.virtualbox.org/wiki/Downloads>

Select windows hosts

Downloading virtual box is start\



Open new command prompt

```
C:\Users\DYPATU>minikube start --driver=virtualbox
```

```
C:\Users\DYPATU>minikube start --no-vtx-check
```

Check
in virtual box



```
C:\Users\DYPATU>minikube config set driver virtualbox
```

```
C:\Users\DYPATU>minikube status
```

```
C:\Users\DYPATU>kubectl get nodes
```

```
C:\Users\DYPATU>kubectl get po -A
```

```
C:\Users\DYPATU>kubectl get pods
```

```
C:\Users\DYPATU>kubectl create deployment hello-minikube --image=kicbase/echo-server:1.0 deployment.apps/hello-minikube created
```

```
C:\Users\DYPATU>kubectl get pods
```

```
C:\Users\DYPATU>kubectl get pods
```

```
C:\Users\DYPATU>kubectl expose deployment hello-minikube --type=NodePort --port=8080
```

```
C:\Users\DYPATU>kubectl get pods
```

```
C:\Users\DYPATU>kubectl get services hello-minikube
```

```
C:\Users\DYPATU>minikube service hello-minikube --url
```

Check in browser using given local host address

```
C:\Users\DYPATU>kubectl get pods
```

```
C:\Users\DYPATU>kubectl run nginx --image=nginx
```

```
C:\Users\DYPATU>kubectl get pods
```

```
C:\Users\DYPATU>kubectl get pods
```

Open new command prompt (cmd)

```
C:\Users\DYPATU>kubectl get deployments
```

```
C:\Users\DYPATU>kubectl get service
```

```
C:\Users\DYPATU>kubectl delete service hello-minikube
```

```
C:\Users\DYPATU>kubectl get service
```

```
C:\Users\DYPATU>kubectl delete deployments hello-minikube
```

```
C:\Users\DYPATU>kubectl get deployments
```

```
C:\Users\DYPATU>kubectl get pods
```

```
C:\Users\DYPATU>minikube stop
```



C:\Users\DYPATU>minikube start



C:\Users\DYPATU>kubectl --get po -A

C:\Users\DYPATU>kubectl get po -A