

## Execute Kubernetes on Google Cloud and Run Application

### 1. Create Google Cloud Kubernetes Cluster

```
gcloud container clusters create mykubernetes-cluster
```

### 2. Describe Kubernetes Cluster :

```
gcloud container clusters describe mykubernetes-cluster
```

### 3. List Running Instance in Kubernetes Cluster

```
gcloud container clusters list mykubernetes-cluster
```

### 4. Start the Deployment on Kubernetes Cluster.

```
kubectl create deployment magicalnginx --image=anshuldevops/magicalnginx
```

### 5. Get Information of Running Deployments

```
kubectl get deployments
```

### 6. Describe the Running Deployment

```
kubectl describe deployment magicalnginx
```

### 7. Make the NGINX container accessible via the internet via loadbalancer:

```
kubectl create service loadbalancer magicalnginx --tcp=80:80
```

### 8. Get Running Services

```
kubectl get svc
```

### 9. Remove Services

```
kubectl delete services magicalnginx
```

### 10. Remove Deployment

```
kubectl delete deployment magicalnginx
```

### 11. Delete Google Cloud Kubernetes Cluster

```
gcloud container clusters delete mykubernetes-cluster
```