Create the K8s EKS,further you have to do the deployment of the Nginx application and access the application outside the cluster.

Created EKS Cluster service .Node UP& Running.

```
yugan@Yugan:~/Jenkindbuild$ kubectl get nodes
NAME                                          STATUS   ROLES    AGE   VERSION
ip-192-168-46-165.ap-south-1.compute.internal   Ready    <none>   42m   v1.32.9-eks-ecaa3a6
ip-192-168-68-233.ap-south-1.compute.internal   Ready    <none>   42m   v1.32.9-eks-ecaa3a6
yugan@Yugan:~/Jenkindbuild$
```

Deployment Creation for Nginx

```
yugan@Yugan:~/Jenkindbuild$ kubectl create deployment nginx-deployment --image=nginx

deployment.apps/nginx-deployment created
yugan@Yugan:~/Jenkindbuild$
```
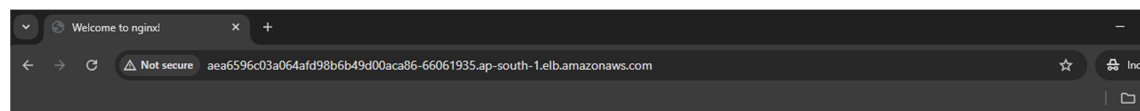
Pod Verification

```
yugan@Yugan:~/Jenkindbuild$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-6cfb98644c-df9wd   1/1     Running   0          10m
yugan@Yugan:~/Jenkindbuild$
```

Exposed Load Balance in Port 80

```
yugan@Yugan:~/Jenkindbuild$ kubectl get service
NAME            TYPE           CLUSTER-IP      EXTERNAL-IP                                                                          P
kubernetes      ClusterIP      10.100.0.1      <none>                                                                               4
nginx-service   LoadBalancer   10.100.19.179   aea6596c03a064afd98b6b49d00aca86-66061935.ap-south-1.elb.amazonaws.com              8
```

Validated in External Browser