**ASSIGNMENT – 5**

**KUBERNETES**

**DONE BY**

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**Tasks To Be Performed:**

1. Use the previous deployment

2. Deploy an NGINX deployment of 3 replicas

3. Create an NGINX service of type ClusterIP

4. Create an ingress service/ Apache to Apache service/ NGINX to NGINX service

**STEPS:**

1.Install minikube

2. Create apache deployment and apache svc.yaml files using **sudo nano apache-deployment.yaml**

**Sudo nano apache-svc.yaml**

3. Create nginx deployment and nginx svc.yaml files by using the same commands

4. Install ingress using the command **minikube addons enable ingress**

5. **kubectl get svc -A** to see all namespaces in the cluster

6. Using the clusterIP we cannot access outside the minikube or Kubernetes

7. We need to forward the port to external http using the command **kubectl port-forward service/ingress-nginx-controller -n ingress-nginx --address 0.0.0.0 :80**

8. New port number is allocated. Add this port number to the minikube ipaddress.

**54.152.49.10:45461/nginx**

9. Now it is accessible

































