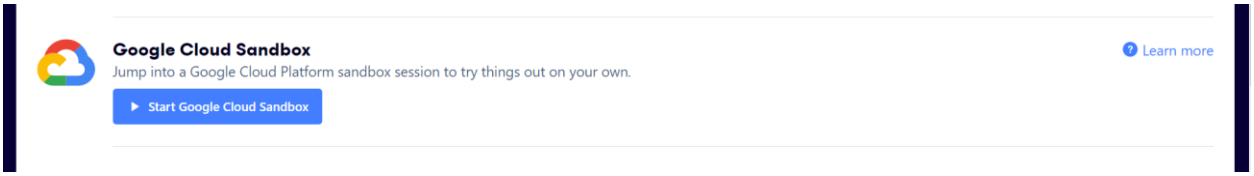
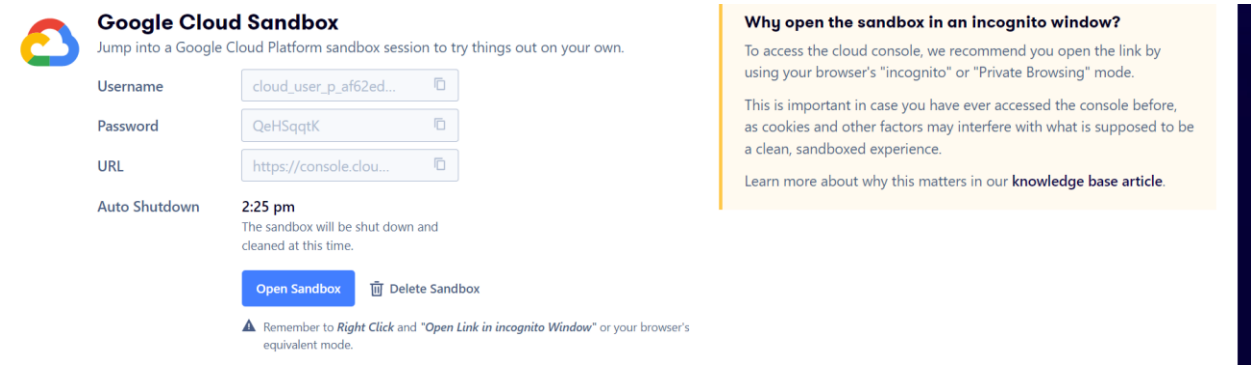
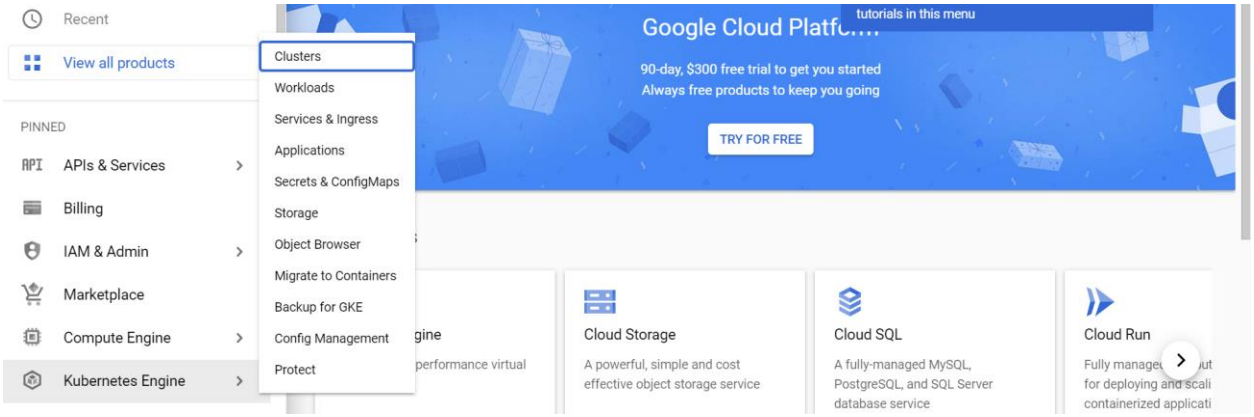
Kubernetes in a cloud guru

Setting in Google cloud sandbox

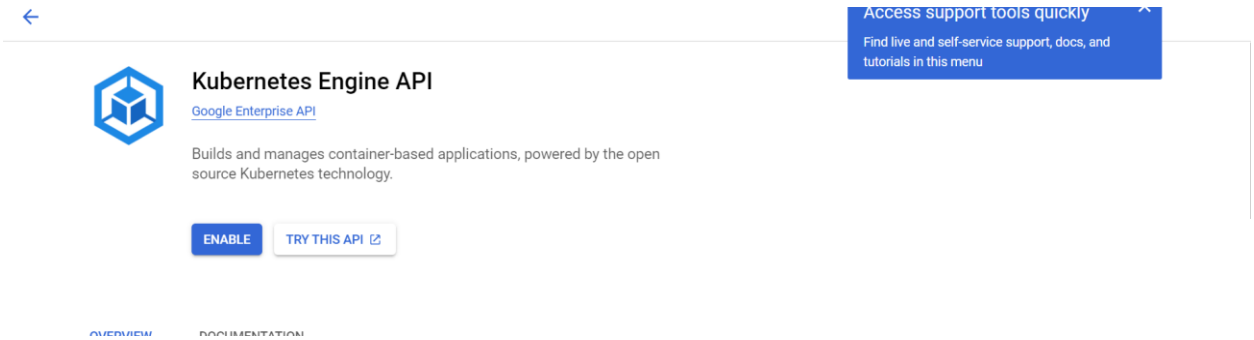




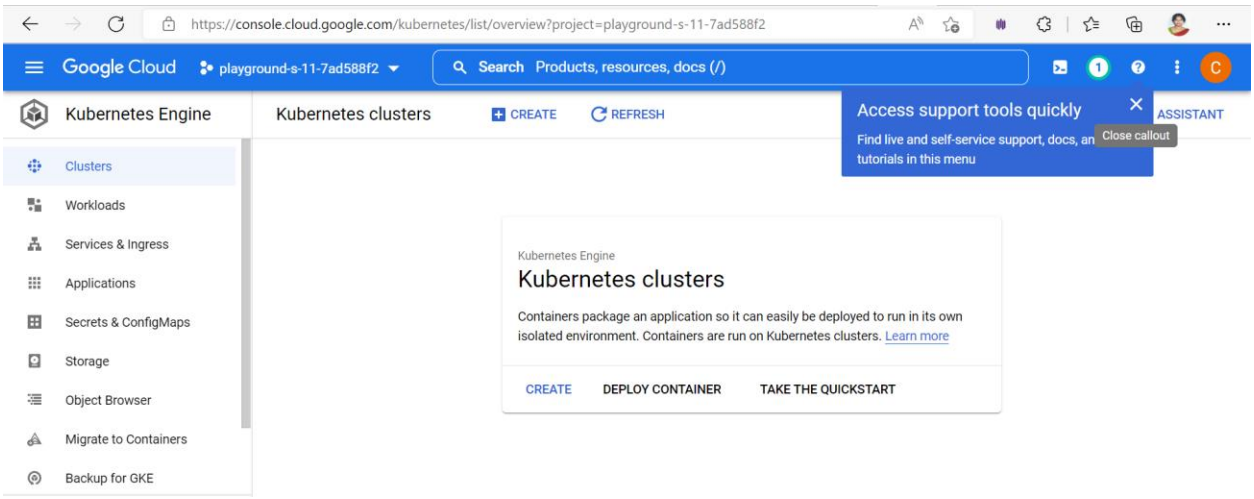
Go to Kubernetes than cluster



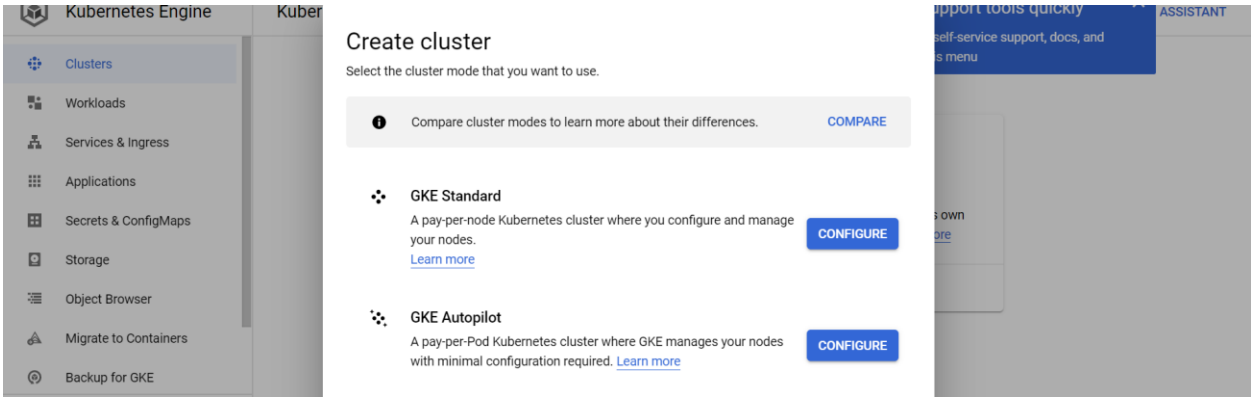
Click on enable button



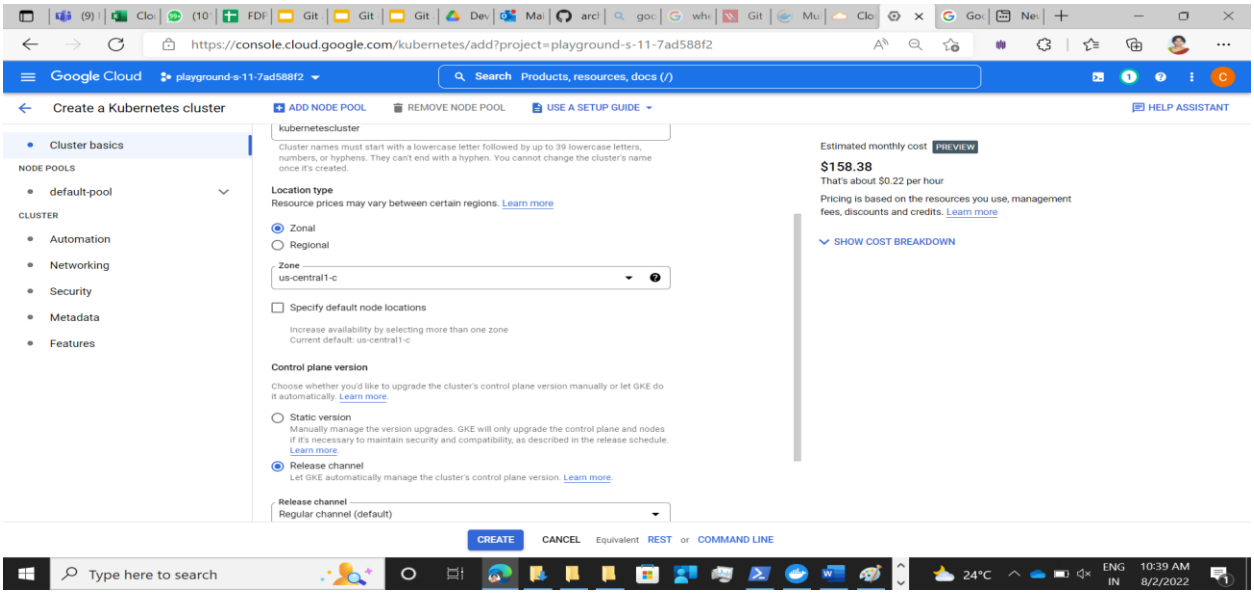
Click on create



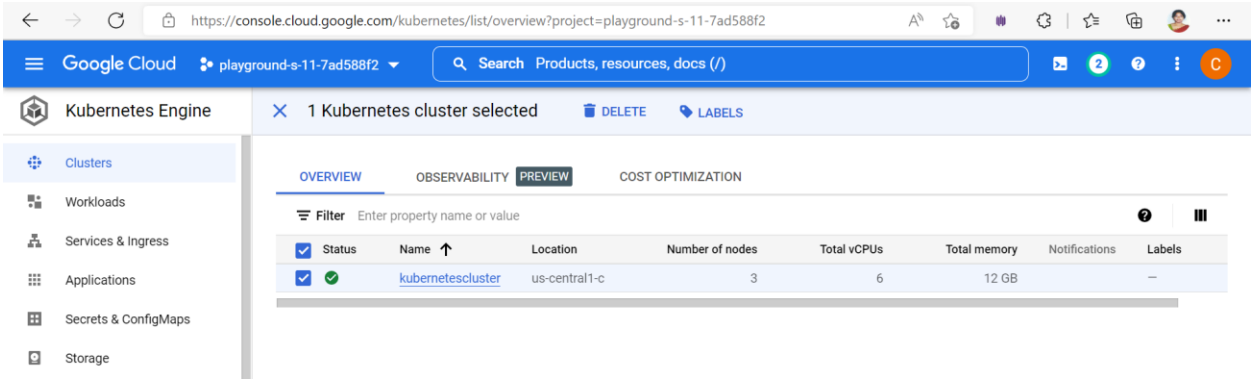
select on GKE stantard



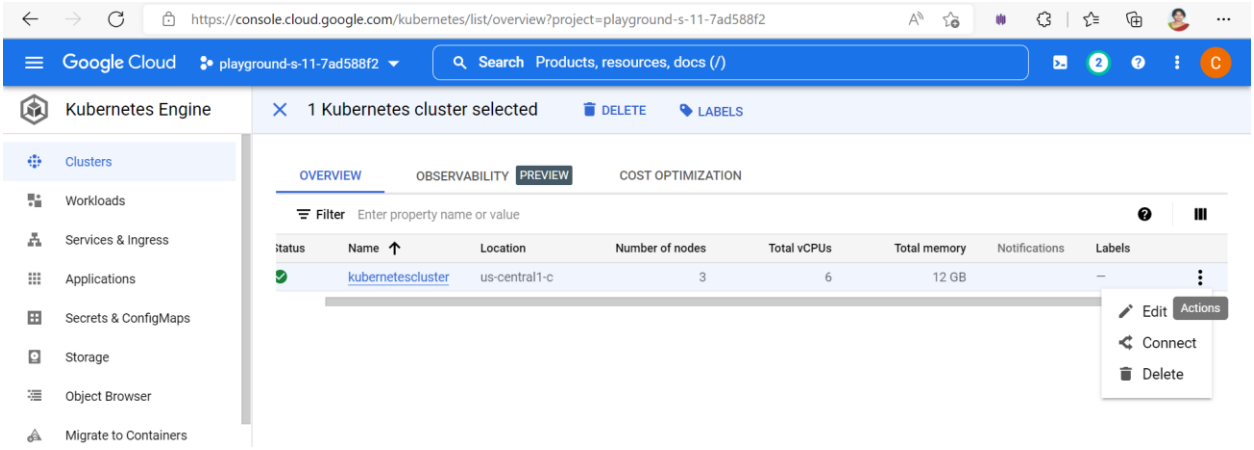
Give the name of cluster and keep all as default then click on create



We can see cluster has been created with three nodes



Click on connect to go console



Click on RUN IN CLOUD SHELL

Connect to the cluster

You can connect to your cluster via command-line or using a dashboard.

Command-line access

Configure kubectl command line access by running the following command:

```
$ gcloud container clusters get-credentials kubernetescluster --zone us-central1-c --project playground-s-11-7ad5
```

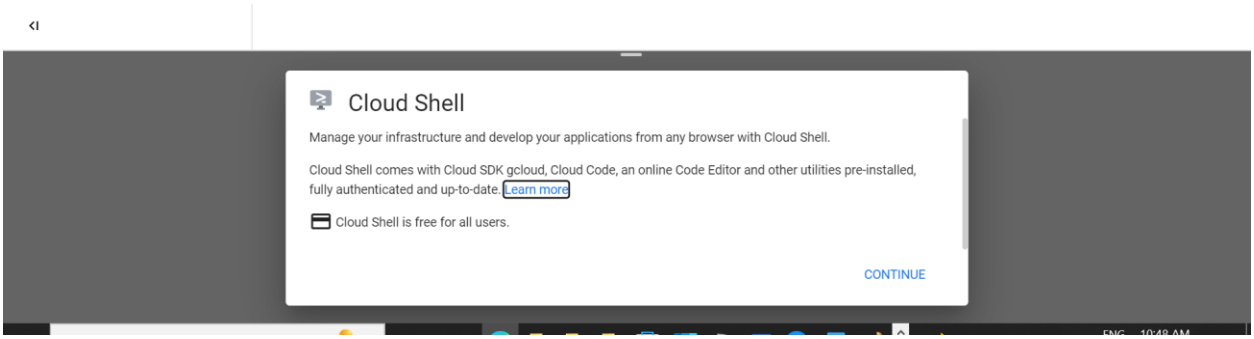
RUN IN CLOUD SHELL

Cloud Console dashboard

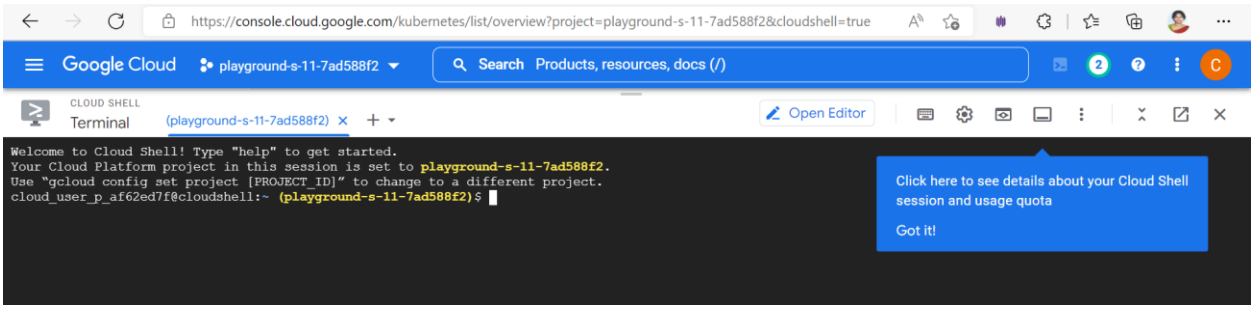
You can view the workloads running in your cluster in the Cloud Console Workloads dashboard .

OPEN WORKLOADS DASHBOARD

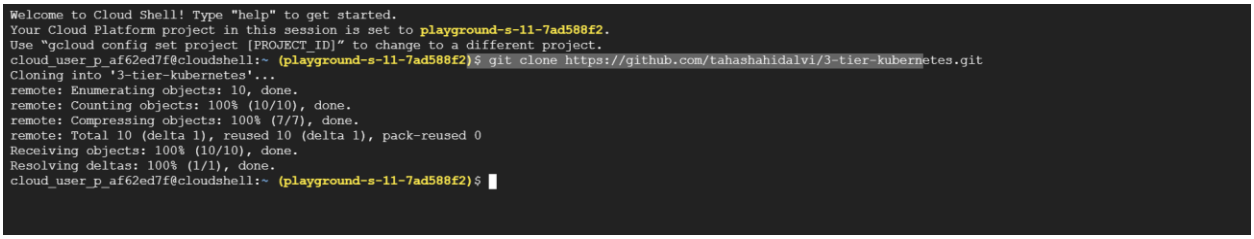
OK



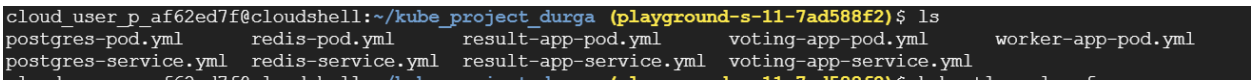
Now console is ready



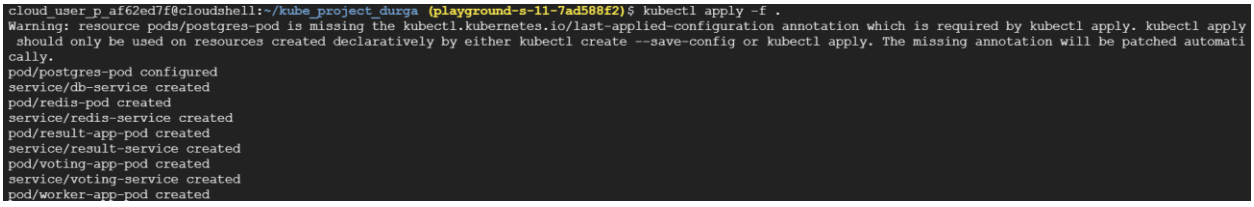
Clone the project from github respository



Check for list of files by ls



Now run the commands by kubectl apply -f

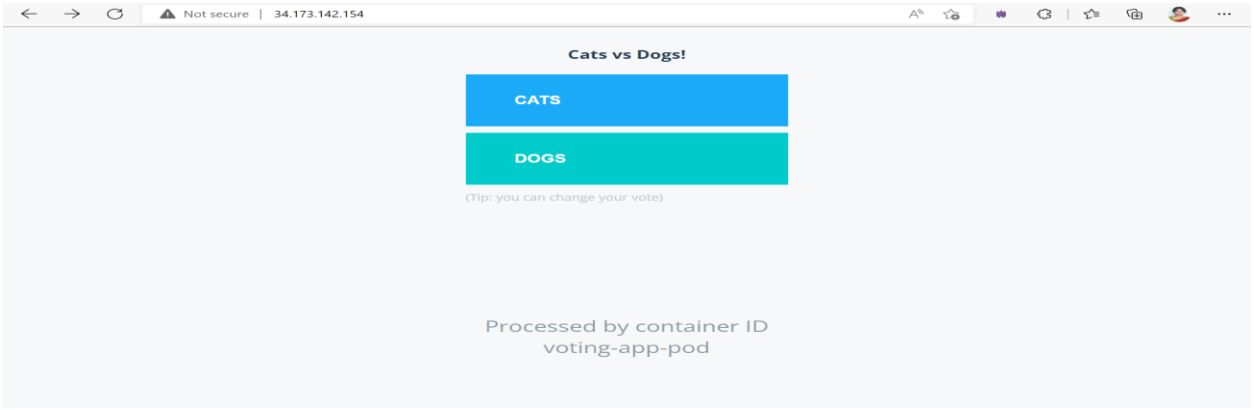
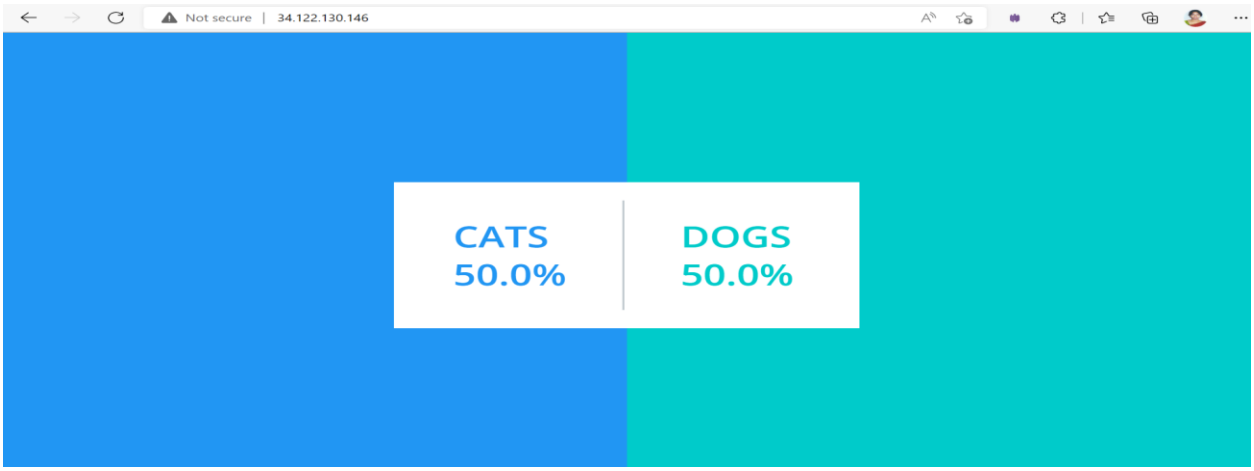


Now check for kubectl get all

```
cloud_user_p_af62ed7f@cloudshell:~/kube_project_durga (playground-s-11-7ad588f2)$ kubectl  get all
NAME                   READY   STATUS             RESTARTS         AGE
pod/postgres-pod       0/1     CrashLoopBackOff   8 (3m10s ago)    19m
pod/redis-pod          1/1     Running            0                40s
pod/result-app-pod     1/1     Running            0                38s
pod/snappass           1/1     Running            2 (21m ago)      22m
pod/snappass-nginx     1/1     Running            0                22m
pod/snappass-redis     1/1     Running            0                22m
pod/voting-app-pod     1/1     Running            0                36s
pod/worker-app-pod     0/1     Error              1 (11s ago)      34s

NAME                       TYPE           CLUSTER-IP     EXTERNAL-IP      PORT(S)          AGE
service/db-service         ClusterIP      10.4.7.124     <none>           5432/TCP         42s
service/kubernetes         ClusterIP      10.4.0.1       <none>           443/TCP          27m
service/redis-service      ClusterIP      10.4.1.130     <none>           6379/TCP         41s
service/result-service     LoadBalancer   10.4.4.169     34.122.130.146   80:31563/TCP     39s
service/snappass           ClusterIP      10.4.5.213     <none>           5000/TCP         22m
service/snappass-nginx     LoadBalancer   10.4.0.235     34.134.96.83     443:31735/TCP    22m
service/snappass-redis     ClusterIP      10.4.4.10      <none>           6379/TCP         22m
service/voting-service     LoadBalancer   10.4.12.153    34.173.142.154   80:32101/TCP     37s
```

Now check for external ip [34.134.96.83]and check in browser(nginx)



Now check for external ip [34.173.142.154]and check in browser