3.
Connect Postgres database from Postgres Client using core-dns's host name.

Answer:

Since, all the resources are ready, we use kubectl exec to log into the PostgreSQL instance using core-dns's host name as shown below;
- **sudo kubectl exec -it postgres-7b9fb8d6c5-zpdhv -- psql -h localhost -U admin --password -p 5432 postgresdb**

```
aashish@aashish-VirtualBox:~/db$ sudo kubectl exec -it postgres-7b9fb8d6c5-zpdh
v -- psql -h localhost -U admin --password -p 5432 postgresdb
Password for user admin:
psql (10.1)
Type "help" for help.

postgresdb=#
```

where; **postgres-7b9fb8d6c5-zpdhv** is the pod name or core-dns's host name because default namespace was used as follows;

```
aashish@aashish-VirtualBox:~/db$ sudo kubectl get all
NAME                           READY   STATUS    RESTARTS   AGE
pod/postgres-7b9fb8d6c5-zpdhv  1/1     Running   0          4m12s

NAME                 TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)
 AGE
service/kubernetes   ClusterIP   10.96.0.1       <none>        443/TCP
 31m
service/postgres     NodePort    10.96.144.185   <none>        5432:31714/TCP
 98s

NAME                        READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/postgres    1/1     1            1           4m12s

NAME                                  DESIRED   CURRENT   READY   AGE
replicaset.apps/postgres-7b9fb8d6c5   1         1         1       4m12s
```

Hence, Postgres database has been successfully connected from Postgres Client using core-dns's host name.