Installing postgreSQL on Ubuntu VM on Cloudstack

Step1: To install PostgreSQL 10, run the commands below in Terminal:

```
ubuntu@ubuntu-CloudStack-KVM-Hypervisor:~$ sudo apt update
[sudo] password for ubuntu:
Hit:1 http://security.ubuntu.com/ubuntu bionic-security InRelease
Hit:2 http://us.archive.ubuntu.com/ubuntu bionic InRelease
Hit:3 http://us.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:4 http://us.archive.ubuntu.com/ubuntu bionic-backports InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
15 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
ubuntu@ubuntu-CloudStack-KVM-Hypervisor:~$ sudo apt install postgresql-client-common
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
```

```
ubuntu@ubuntu-CloudStack-KVM-Hypervisor:~$ sudo apt-get install postgresql-client
[sudo] password for ubuntu:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
```

To be able to install psql we need to install specific psql that the message from previous command recommended. In my case it was postgresql-10.

```
ubuntu@ubuntu-CloudStack-KVM-Hypervisor:~$ sudo apt-get install postgresql-10
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
```

```
Success. You can now start the database server using:

    /usr/lib/postgresql/10/bin/pg_ctl -D /var/lib/postgresql/10/main -l logfile start
```

After you see the message above when installing postgresql-10, run below command, then it will automatically change to postgres=#

```
ubuntu@ubuntu-CloudStack-KVM-Hypervisor:~$ sudo su - postgres
postgres@ubuntu-CloudStack-KVM-Hypervisor:~$ psql
psql (10.12 (Ubuntu 10.12-0ubuntu0.18.04.1))
Type "help" for help.
```

```
postgres=# \q
postgres@ubuntu-CloudStack-KVM-Hypervisor:~$ createdb yelpdb
postgres@ubuntu-CloudStack-KVM-Hypervisor:~$ psql
psql (10.12 (Ubuntu 10.12-0ubuntu0.18.04.1))
Type "help" for help.

postgres=# CREATE DATABASE yelpdb;
ERROR:  database "yelpdb" already exists
postgres=# \c yelpdb
You are now connected to database "yelpdb" as user "postgres".
yelpdb=# \q
```

I quit postgres database with command \q, so I create my own database to work with called

yelpdb where I will create tables ad where I will import yelp csv files.

To create a database in postgresql, run next commands:

createdb <name of database> or CREATE DATABASE <name of database>; from postgres=#

To connect to yelpdb from postgres use command \c as shown above,

Or if you would like to connect to yelpdb from the start use next command:

```
postgres@ubuntu-CloudStack-KVM-Hypervisor:~$ psql -U postgres yelpdb
psql (10.12 (Ubuntu 10.12-0ubuntu0.18.04.1))
Type "help" for help.

yelpdb=#
```

Now, you can start working in psql in yelpdb and run queries.

References

262588213843476. (n.d.). Install PostgreSQL 10 on Ubuntu. Retrieved from
https://gist.github.com/alistairewj/8aaea0261fe4015333ddf8bed5fe91f8

ByStudent. (2018, October 31). Installing PostgreSQL 10 on Ubuntu 16.04: 17.10: 18.04. Retrieved
from https://websiteforstudents.com/installing-postgresql-10-on-ubuntu-16-04-17-10-18-04/

Rahul. (2020, January 28). How To Install PostgreSQL on Ubuntu 18.04 & 16.04 LTS. Retrieved from
https://tecadmin.net/install-postgresql-server-on-ubuntu/