# **POSTGRESQL**

- Postgres is a Database in which we store so many different things.
- 1. To enter PostgreSQL, we need to write the following steps-:

```
## Starting PostgreSQL 12 database server

aditysasini_02S@DSKTOP-LETFFFQ:-$ sudo service postgresql start

* Starting PostgreSQL 12 database server

aditysasini_02S@DSKTOP-LETFFFQ:-$ service postgresql status

12/main (port S433): online

aditysasini_02S@DSKTOP-LETFFFQ:-$ psql -U postgres

psql: error: FATAL: Peer authentication failed for user "postgres"

aditysasini_02S@DSKTOP-LETFFFQ:-$ sudo su postgres

psql: error: FATAL: Peer authentication failed for user "postgres"

aditysasini_02S@DSKTOP-LETFFFQ:-$ sudo su postgres

postgres@DSSKTOP-LETFFFQ:-$ sudo su postgres

postgres@DSSKTOP-LETFFFQ:-$ sudo su postgres

postgres@USSKTOP-LETFFFQ:-$ sudo su postgres

postgres@USSKTOP-LETFFQ:-$ psql -U postgres

psql -U postgr
```

2. To create a new user, we must write the following commands-:

#### CREATE USER devsnest(username) WITH PASSWORD 'password';

3. To create the database, we must write the following command-:

### **CREATE DATABASE devs(database name)**;

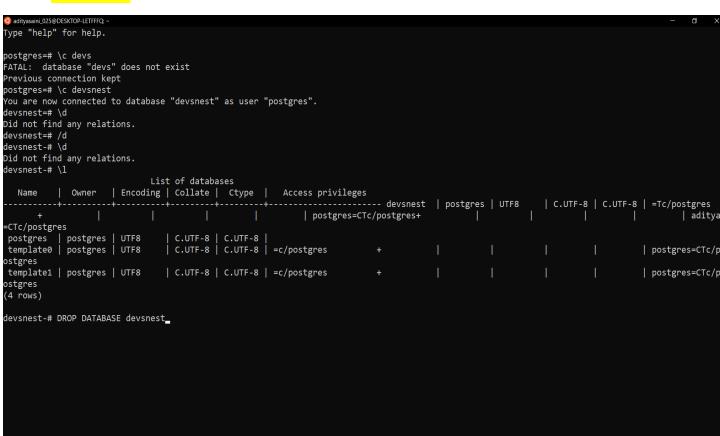
4. To grant the different types of privileges we must write the following command-:

#### **GRANT ALL PRIVILAGES ON DATABASE devs to devsnest;**

5. To enter the database created by you, write command-:

## \c devsnest(database name)

- 6. To see the list of databases, write \1.
- 7. To delete the database, write command, DROP DATABASE devnsest



8. To create & delete a table in PostgreSQL-:

```
🧿 adityasaini_025@DESKTOP-LETFFFQ: ~
postgres@DESKTOP-LETFFFQ:/home/adityasaini_025$ psql -U postgres
psql (12.8 (Ubuntu 12.8-0ubuntu0.20.04.1))
Type "help" for help.
postgres=# \d
        List of relations
Schema | Name | Type | Owner
public | aditya | table | postgres
(1 row)
postgres=# \c devsnest
You are now connected to database "devsnest" as user "postgres".
devsnest=# CREATE TABLE company(
devsnest(# NAME CHAR[50],
devsnest(# AGE INT,
devsnest(# ADDRESS TEXT,
devsnest(# ID INT NOT NULL
devsnest(# );
CREATE TABLE
devsnest=# \d
        List of relations
Schema | Name | Type | Owner
public | company | table | postgres
(1 row)
devsnest=# \d company
                Table "public.company"
Type | Collation | Nullable | Default
name | character(1)[] | age | integer |
address | text
id | integer
                                       not null
id
devsnest=# DROP TABLE company;
DROP TABLE
devsnest=# \d
Did not find any relations.
devsnest=#
```