Creating   database
default logged in user is picked as owner in this case
run this command from your terminal(linux bash)
createdb 'dbname'
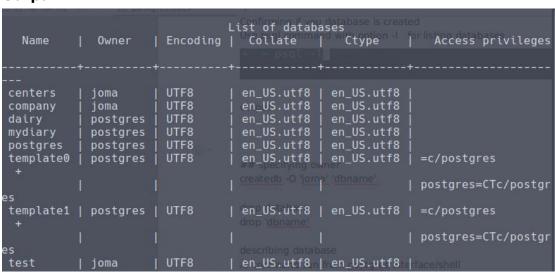=>creating database "company" in this case

```
→  ~ createdb company
```

Confirming if you database is created
Use psql command with option -l   for listing databases

```
→  ~ psql -l
```

Output

```
                              List of databases
    Name    |   Owner   | Encoding |   Collate   |   Ctype    |   Access privileges
------------+-----------+----------+-------------+------------+---------------------
---
 centers    | joma      | UTF8     | en_US.utf8  | en_US.utf8 |
 company    | joma      | UTF8     | en_US.utf8  | en_US.utf8 |
 dairy      | postgres  | UTF8     | en_US.utf8  | en_US.utf8 |
 mydiary    | postgres  | UTF8     | en_US.utf8  | en_US.utf8 |
 postgres   | postgres  | UTF8     | en_US.utf8  | en_US.utf8 |
 template0  | postgres  | UTF8     | en_US.utf8  | en_US.utf8 | =c/postgres
            |           |          |             |            | postgres=CTc/postgr
es
 template1  | postgres  | UTF8     | en_US.utf8  | en_US.utf8 | =c/postgres
            |           |          |             |            | postgres=CTc/postgr
es
 test       | joma      | UTF8     | en_US.utf8  | en_US.utf8 |
```

specifying owner
createdb -O 'owner/user' 'dbname'
-O option specifies the owner

```
→  ~ createdb -O joma  company2
→  ~
```

```
→   ~ dropdb company2
```

drop database
drop 'dbname'

Describing database
/d command run from psql interface/shell
lists all tables/relations in the database
Check above => psql -l command output

Describing tables
Select your database
Run this command 'psql -d company'
-d option species database name

```
→   ~ psql -d company
psql (10.5)
Type "help" for help.

company=#
```

\d 'table_name' e.g \d users
describes the table users

```
company-# \d users
                Table "public.users"
 Column  |     Type      | Collation | Nullable | Default
---------+---------------+-----------+----------+---------
 id      | integer       |           | not null |
 name    | text          |           | not null |
 age     | integer       |           | not null |
 address | character(50) |           | not null |
 town    | text          |           | not null |
Indexes:
    "users_pkey" PRIMARY KEY, btree (id)

company-#
```

Creating table from file
#format
psql -f 'filename.sql' 'dbname'
First create an sql file save as users.sql

```
1   CREATE TABLE users(
2       id int PRIMARY KEY NOT NULL,
3       name TEXT NOT NULL,
4       age  int NOT NULL,
5       address char(50) NOT NULL,
6       town TEXT NOT NULL
7   );
8
```

psql -f users.sql   'dbname'

-f specifes file with postgres script to create table