

```
DAY 1:
create database
alter database
rename database
drop database
open database \c database name
```

```
create table
open table \d or \d table name
```

```
subena@subena-ThinkPad-E580:~$ psql
psql: FATAL:  role "subena" does not exist
subena@subena-ThinkPad-E580:~$ sudo -u postgres psql
[sudo] password for subena:
psql (11.3 (Ubuntu 11.3-1.pgdg18.04+1), server 10.10 (Ubuntu 10.10-0ubuntu0.18.04.1))
Type "help" for help.
```

```
postgres=# CREATE DATABASE sample;
CREATE DATABASE
postgres=# \l
```

Name	Owner	Encoding	Collate	Ctype	Access privileges
postgres	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
template0	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	=c/postgres
postgres	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
template1	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	=c/postgres

(4 rows)

```
postgres=# CREATE DATABASE sample1;
CREATE DATABASE
postgres=# CREATE DATABASE sample2;
CREATE DATABASE
postgres=# CREATE DATABASE sample3;
CREATE DATABASE
postgres=# CREATE DATABASE sample4;
CREATE DATABASE
postgres=# CREATE DATABASE sample5;
CREATE DATABASE
postgres=# \l
```

Name	Owner	Encoding	Collate	Ctype	Access privileges
postgres	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample1	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample2	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample3	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample4	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample5	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
template0	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	=c/postgres

```

postgres=# \d
postgres=CTc/postgres
template1 | postgres | UTF8 | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
+
postgres=CTc/postgres
(9 rows)

```

```

postgres=# ALTER DATABASE sample1 RENAME TO subena1;
ALTER DATABASE
postgres=# \l

```

```

                                List of databases
   Name   | Owner   | Encoding | Collate | Ctype   | Access
privileges
-----+-----+-----+-----+-----+-----
postgres | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample   | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample2  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample3  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample4  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample5  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
subena1  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
template0 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
+
postgres=CTc/postgres
template1 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
+
postgres=CTc/postgres
(9 rows)

```

```

postgres=# DROP DATABASE sample5;
DROP DATABASE
postgres=# \l

```

```

                                List of databases
   Name   | Owner   | Encoding | Collate | Ctype   | Access
privileges
-----+-----+-----+-----+-----+-----
postgres | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample   | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample2  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample3  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
sample4  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
subena1  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
template0 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
+
postgres=CTc/postgres
template1 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
+
postgres=CTc/postgres
(8 rows)

```

```

postgres=# CREATE DATABASE dvdrental_test
postgres=# WITH TEMPLATE dvdrental;
ERROR:  template database "dvdrental" does not exist
postgres=# CREATE DATABASE dvdrental_test WITH TEMPLATE dvdrental;
ERROR:  template database "dvdrental" does not exist
postgres=# \l

```

List of databases

Name	Owner	Encoding	Collate	Ctype	Access
postgres	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample2	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample3	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample4	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
subena1	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
template0	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	=c/postgres

postgres=CTc/postgres
template1 | postgres | UTF8 | en_US.UTF-8 | en_US.UTF-8 | =c/postgres

postgres=CTc/postgres
(8 rows)

```
postgres=# \c subena1
psql (11.3 (Ubuntu 11.3-1.pgdg18.04+1), server 10.10 (Ubuntu 10.10-0ubuntu0.18.04.1))
You are now connected to database "subena1" as user "postgres".
subena1=# create table company(id int primary key not null,name text not null,age int not null,address char(50),salary real);
CREATE TABLE
subena1=# \l
```

List of databases

Name	Owner	Encoding	Collate	Ctype	Access
postgres	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample2	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample3	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
sample4	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
subena1	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
template0	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	=c/postgres

postgres=CTc/postgres
template1 | postgres | UTF8 | en_US.UTF-8 | en_US.UTF-8 | =c/postgres

postgres=CTc/postgres
(8 rows)

```
subena1=# \c subena1
psql (11.3 (Ubuntu 11.3-1.pgdg18.04+1), server 10.10 (Ubuntu 10.10-0ubuntu0.18.04.1))
You are now connected to database "subena1" as user "postgres".
subena1=# \d
```

List of relations

Schema	Name	Type	Owner
public	company	table	postgres

(1 row)

```
subena1=# \d company
```

Table "public.company"

Column	Type	Collation	Nullable	Default
--------	------	-----------	----------	---------

id	integer		not null
name	text		not null
age	integer		not null
address	character(50)		
salary	real		

Indexes:
 "company_pkey" PRIMARY KEY, btree (id)

subena1=# create table department(id int primary key not null,dept char(50) not null,emp_id int not null);

CREATE TABLE

subena1=# \d

List of relations

Schema	Name	Type	Owner
public	company	table	postgres
public	department	table	postgres

(2 rows)

subena1=# \d department

Table "public.department"

Column	Type	Collation	Nullable	Default
id	integer		not null	
dept	character(50)		not null	
emp_id	integer		not null	

Indexes:
 "department_pkey" PRIMARY KEY, btree (id)

subena1=#