

## 1. Create database &amp; Log In

```

jsierra@ubuntu in test2 on P main [?]
> psql postgres postgres
Password for user postgres:

Welcome to PostgreSQL!

Null display is "[null]".
Expanded display is used automatically.

Type \q to exit.

psql (14.11 (Ubuntu 14.11-0ubuntu0.22.04.1))
Type "help" for help.

[local]:5432 postgres@postgres=# \i test2tables.sql
psql:test2tables.sql:3: NOTICE: database "test2" does not exist, skipping
DROP DATABASE
CREATE DATABASE
psql:test2tables.sql:6: NOTICE: role "test2" does not exist, skipping
DROP ROLE
CREATE ROLE
You are now connected to database "test2" as user "postgres".
GRANT
Password for user test2:
You are now connected to database "test2" as user "test2".
CREATE TABLE
CREATE TABLE
CREATE TABLE
ALTER TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
[local]:5432 test2@test2=> \d
          List of relations
Schema |      Name      | Type  | Owner
-----+-----+-----+-----
public | department     | table | test2
public | email           | table | test2
public | employee        | table | test2
public | employee_department | table | test2
public | phone          | table | test2
(5 rows)

[local]:5432 test2@test2=>

```

## 2. Inserting Data

```

[local]:5432 test2@test2=> \i test2data.sql
INSERT 0 6
INSERT 0 6
INSERT 0 9
INSERT 0 9
INSERT 0 7
department_code |      department
-----+-----
EXEC            | Executive
SALS            | Sales
ADMN            | Administration
FINA           | Finance
HUMR           | Human Resources
RDEV           | Research and Development
(6 rows)

employee_number | first_name | last_name
-----+-----+-----
WILSONM        | Marcia    | Wilson
WILSONH        | Henry     | Wilson
CROMWELLW      | William   | Cromwell
BOLEYNA        | Annita    | Boleyn
RANGERJ        | John      | Ranger
GATESS         | Sally     | Gates
(6 rows)

employee | department
-----+-----
WILSONM  | EXEC
WILSONH  | FINA
CROMWELLW | SALS
CROMWELLW | ADMN
BOLEYNA  | SALS
RANGERJ  | SALS
RANGERJ  | HUMR
RANGERJ  | RDEV
GATESS   | RDEV
(9 rows)

employee |      email
-----+-----
WILSONM  | Marcia.Wilson@MDC.com
WILSONH  | Henry.Wilson@MDC.com
CROMWELLW | William.Cromwell@MDC.com
BOLEYNA  | Annita.Wilson@MDC.com
BOLEYNA  | Annita.Wilson@yahoo.com

```

### 3. Queries

```
Terminal
[local]:5432 test2@test2=> \i test2queries.sql
department | count
-----+-----
ADMN      |      1
RDEV      |      2
FINA      |      1
SALS      |      3
EXEC      |      1
HUMR      |      1
(6 rows)

department | count
-----+-----
SALS      |      3
(1 row)

first_name | last_name | department
-----+-----+-----
Marcia     | Wilson   | Executive
Henry      | Wilson   | Finance
William    | Cromwell | Sales
William    | Cromwell | Administration
Annita     | Boleyn   | Sales
John       | Ranger   | Sales
John       | Ranger   | Human Resources
John       | Ranger   | Research and Development
Sally      | Gates    | Research and Development
(9 rows)

employee_number | first_name | last_name
-----+-----+-----
BOLEYNNA        | Annita    | Boleyn
GATESS          | Sally     | Gates
(2 rows)

[local]:5432 test2@test2=>
```