PostGreSQL
Brain Mentors Pvt Ltd
http://www.brain-mentors.com

create database <db>

\l - to see lis of the databases
\c <dbname> - to connect to the database
drop database <dbname>

```
CREATE TABLE Employee(
   ID INT PRIMARY KEY     NOT NULL,
   NAME         TEXT    NOT NULL UNIQUE
,
   AGE          INT     NOT NULL,
   ADDRESS        CHAR(50),
   SALARY       REAL DEFAULT 9999

);
```

\d - toList down all the tables in the database
\d <tablename>
drop table <tablename>

```
INSERT INTO TABLE_NAME VALUES
(value1,value2,value3,...valueN);
```

```sql
SELECT * FROM table_name;


Foreign Key
CREATE TABLE DEPARTMENT1(
   ID INT PRIMARY KEY     NOT NULL,
   DEPT          CHAR(50) NOT NULL,
   EMP_ID        INT     references Employee(ID)
);

ALTER TABLE table_name DROP CONSTRAINT some_name;

UPDATE emp SET SALARY = 15000 WHERE ID = 3;

DELETE FROM table_name
WHERE [condition];

SELECT * FROM table_name
WHERE name LIKE '%A%'

SELECT column1, column2, columnN
FROM table_name
LIMIT 10 OFFSET 5

SELECT * FROM COMPANY ORDER BY AGE
ASC
```

```sql
SELECT DISTINCT name FROM COMPANY;
```

Auto number
```sql
CREATE TABLE COMPANY(
   ID  SERIAL PRIMARY KEY,
   NAME         TEXT     NOT NULL,
   AGE          INT      NOT NULL,
   ADDRESS      CHAR(50),
   SALARY       REAL
);
```

```sql
SELECT C.ID, C.NAME, C.AGE, D.DEPT
   FROM COMPANY AS C, DEPARTMENT AS D
   WHERE  C.ID = D.EMP_ID;
```

```sql
SELECT C.ID AS COMPANY_ID, C.NAME AS
COMPANY_NAME, C.AGE, D.DEPT
   FROM COMPANY AS C, DEPARTMENT AS D
   WHERE  C.ID = D.EMP_ID;
```

```sql
SELECT COUNT(*) FROM COMPANY
```