# **PostgreSQL Practice Using SQL Shell**

# Basic of Installation

## Staring

To start SQL Shell, at first install PostgreSQL from official [website](https://www.enterprisedb.com/downloads/postgres-postgresql-downloads). Then find it in start menu or search in search bar. Next, you will find it like this terminal. Hit enter for all, but enter your password that you have set for installation.



Then you will find it like this.



## Check Version

After entering password, you will see the current version of PostgreSQL.



Or you can execute this command to see current version.

SELECT version();



## List of Databases

To see list of database, you can run this command.

\l



# Create Database

There are many ways to create database. We use simple method.

## To create DB

The basic syntax of CREATE DATABASE statement is as follows −

CREATE DATABASE dbname;

where *dbname* is the name of a database to create. Our database name is TestDB.



To see list of database, you can run this command.

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# Create Table

## To create table

To create table CREATE TABLE command is needed, then table name and its field name, data type.

CREATE TABLE cars (  
  brand VARCHAR(255),  
  model VARCHAR(255),  
  year INT  
);

When you execute the above statement, an empty table named cars will be created, and the SQL Shell application will return the following CREATE TABLE:



## To see all data of table

You can "display" the empty table you just created with another SQL statement:

SELECT \* FROM cars;

