

## Getting Started

### What is PostgreSQL?

#### PostgreSQL Sample Database (DONE)

PostgreSQL Sample Database Tables

Download PostgreSQL sample database

Download printable ER diagram

#### PostgreSQL on Windows (DONE)

##### Install PostgreSQL on Windows

- 1) Download PostgreSQL Installer for Windows
- 2) Install PostgreSQL on Windows step by step
- 3) Verify the Installation

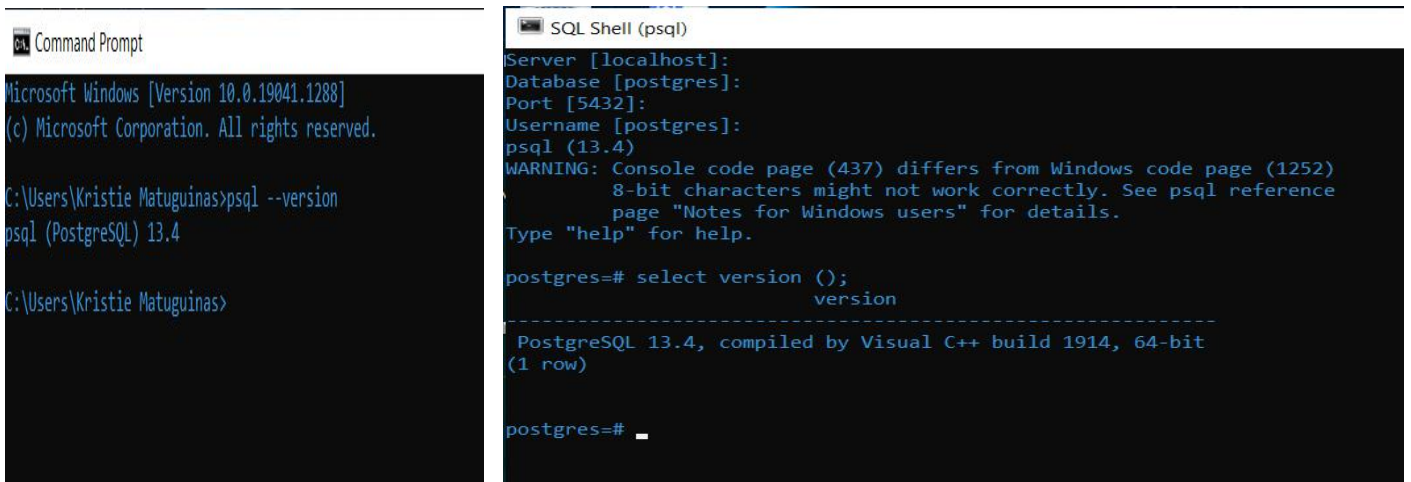
##### Connect To a PostgreSQL Database Server

- 1) Connect to PostgreSQL database server using psql
- 2) Connect to PostgreSQL database server using pgAdmin

##### Load PostgreSQL Sample Database

Load the sample database using psql tool

Load the DVD Rental database using the pgAdmin



```
Command Prompt
Microsoft Windows [Version 10.0.19041.1288]
(c) Microsoft Corporation. All rights reserved.

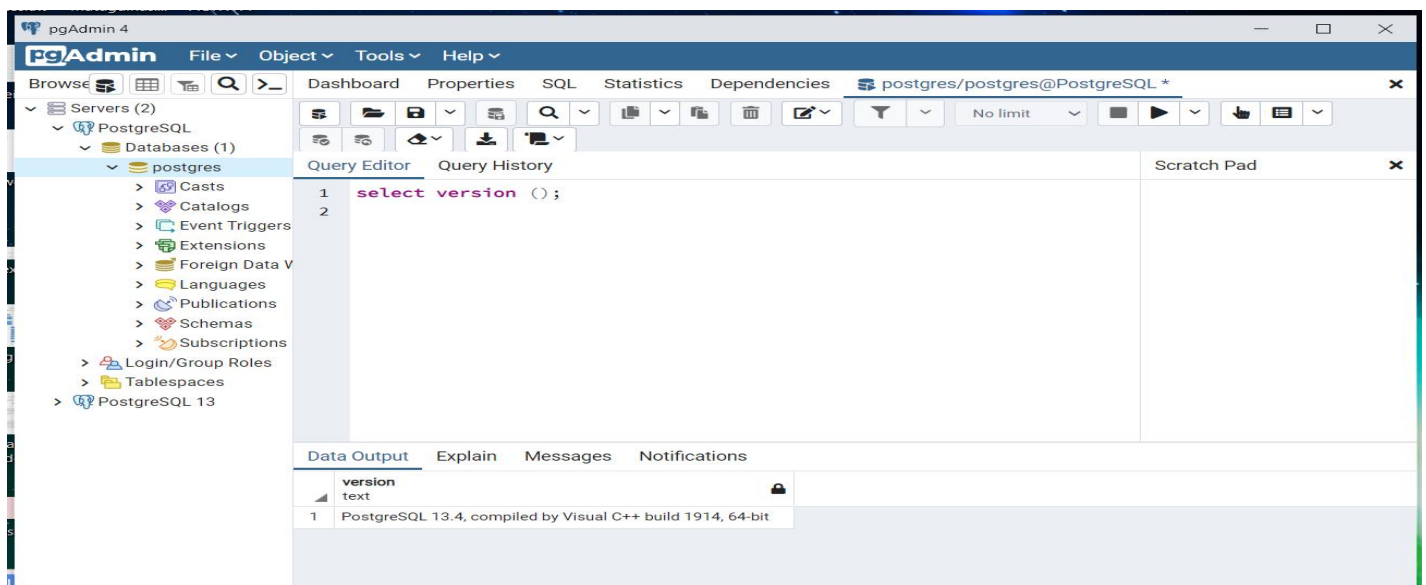
C:\Users\Kristie Matuguinas>psql --version
psql (PostgreSQL) 13.4

C:\Users\Kristie Matuguinas>

SQL Shell (psql)
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
psql (13.4)
WARNING: Console code page (437) differs from Windows code page (1252)
         8-bit characters might not work correctly. See psql reference
         page "Notes for Windows users" for details.
Type "help" for help.

postgres=# select version ();
              version
-----
PostgreSQL 13.4, compiled by Visual C++ build 1914, 64-bit
(1 row)

postgres=#
```



## Load PostgreSQL Sample Database

Load the sample database using psql tool

Load the DVD Rental database using the pgAdmin

```
SQL Shell (psql)
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
psql (13.4)
WARNING: Console code page (437) differs from Windows code page (1252)
        8-bit characters might not work correctly. See psql reference
        page "Notes for Windows users" for details.
Type "help" for help.

postgres=#
postgres=# CREATE DATABASE dvdrental;
CREATE DATABASE
postgres=#
```

```
Select Command Prompt
Try "pg_restore --help" for more information.

C:\Program Files\PostgreSQL\13\bin>pg_restore -U postgres -d dvdrental D:\OneDrive\Desktop\dvdrental.tar
pg_restore: while PROCESSING TOC:
pg_restore: from TOC entry 632; 1247 16723 TYPE mpaa_rating postgres
pg_restore: error: could not execute query: ERROR: type "mpaa_rating" already exists
Command was: CREATE TYPE public.mpaa_rating AS ENUM (
    'G',
    'PG',
    'PG-13',
    'R',
    'NC-17'
);

pg_restore: from TOC entry 635; 1247 16734 DOMAIN year postgres
pg_restore: error: could not execute query: ERROR: type "year" already exists
Command was: CREATE DOMAIN public.year AS integer
        CONSTRAINT year_check CHECK (((VALUE >= 1901) AND (VALUE <= 2155)));

pg_restore: from TOC entry 231; 1255 16736 FUNCTION _group_concat(text, text) postgres
pg_restore: error: could not execute query: ERROR: function "_group_concat" already exists with same argument types
Command was: CREATE FUNCTION public._group_concat(text, text) RETURNS text
        LANGUAGE sql IMMUTABLE
        AS $$
SELECT CASE
    WHEN $2 IS NULL THEN $1
    WHEN $1 IS NULL THEN $2
    ELSE $1 || ', ' || $2
END
$$;

pg_restore: from TOC entry 232; 1255 16737 FUNCTION film_in_stock(integer, integer) postgres
pg_restore: error: could not execute query: ERROR: function "film_in_stock" already exists with same argument types
Command was: CREATE FUNCTION public.film_in_stock(p_film_id integer, p_store_id integer, OUT p_film_count integer) RETURNS SETOF integer
        LANGUAGE sql
```

