SQL Data Science Code Challenges

with Harshit Tyagi

LEARNING

Working with the Exercise Files

Option 1: Install PostgreSQL and pgAdmin Locally (Easiest)

1. Please visit www.postgresql.org and follow the instructions to download and install the latest version of PostgreSQL for your operating system. During installation, be sure that both the **PostgreSQL Server** and the **pgAdmin 4** options are selected for installation.
2. After installation, run the **pgAdmin** application. Your first time, choose to **Reset Master Password SQL_Code_Challenges**, and set a new password. You'll use this same password in the future to access pgAdmin.
3. In the left-hand **Browser** panel, expand the **Servers** entry. Click on the server you want to use. (For a default installation, this will be **PostgreSQL 13** or similar.)
4. In the Browser tab, right-click on **Databases** and choose **Create > Database**… Create a database named **SQL_Code_Challenges**.
5. Right-click on the new **SQL_Code_Challenges** entry in the **Browser** hierarchy, and choose **Restore**…
6. You may see a dialog asking you to configure the PostgreSQL Binary Path in the Preferences dialog. As needed, open **Preferences**, and under **Paths → Binary Paths**, make sure that the **PostgreSQL Binary Path** is set to the location on your computer where PostgreSQL was installed, e.g. C:\Program Files\PostgreSQL\13\bin on Windows or /Library/PostgreSQL/13/bin/ on MacOS.
7. From the **Filename** field, click the ellipsis button (…) and choose the **SQL_Challenge_Backup_pgadmin** file from the downloaded Exercise Files folder.
8. Click **Restore**.

Option 2: Connect to an Existing PostgreSQL Server (Advanced)

1. Connect to your database using **pgAdmin** or **psql**.
2. Create a new database called **SQL_Code_Challenges**.
3. You can now restore the sample data using the `psql` command. (This assumes you have `psql` added to your PATH.)
4. Open a Terminal or Command Prompt window and navigate to the downloaded Exercise Files folder that contains the **SQL_Challenge_Backup_psql** file.
5. Run the `psql` command that follows to restore the dump:

```
psql SQL_Code_Challenges < SQL_Challenge_Backup_psql
```

Should you encounter any issues due to eventual version changes, please be aware that this course was recorded with PostgreSQL 13 and pgAdmin 4 v5.4.