ADVANCED

VIEWS

INDEXES

TRIGGERS

HOME GETTING STARTED PL/PGSQL ADMINISTRATION

FUNCTIONS

AGGREGATE FUNCTIONS

WINDOW FUNCTIONS API

DATE FUNCTIONS POSTGRESQL PHP

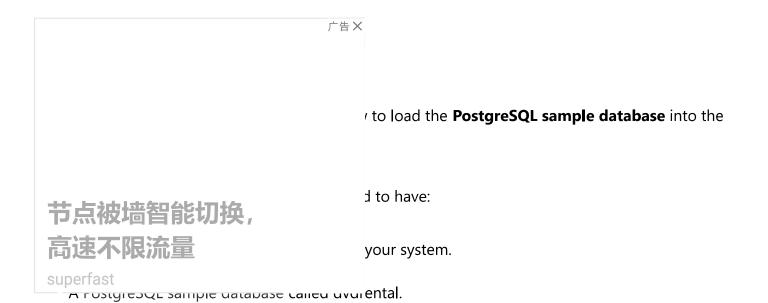
STRING FUNCTIONS POSTGRESQL PYTHON

MATH FUNCTIONS POSTGRESQL JDBC

Home / Getting Started with PostgreSQL / Load PostgreSQL Sample Database

Load PostgreSQL Sample Database

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Load the sample database using psql tool

First, launch the **psql** tool.

>psq1

Second, enter the account's information to log in to the PostgreSQL database server. You can use the default value provided by psql by pressing the **Enter** keyboard. However, for the password, you need to enter the one that you provided during PostgreSQL installation.

```
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
Password for user postgres:
Code language: SQL (Structured Query Language) (sql)
```

Third, enter the following CREATE DATABASE statement to create a new dvdrental database.

```
postgres=# CREATE DATABASE dvdrental;
CREATE DATABASE
Code language: SQL (Structured Query Language) (sql)
```

PostgreSQL will create a new database named dvdrental.

Finally, enter the exit command to quit psql:

```
postgres=# exit
Code language: PHP (php)
```

Then, navigate the **bin** folder of the PostgreSQL installation folder:

```
C: \c C: \
```

After that, use the **pg_restore** tool to load data into the **dvdrental** database:

```
pg_restore -U postgres -d dvdrental C:\sampledb\dvdrental.tar
Code language: CSS (css)
```

In this command:

The -U postgres specifies the postgresuser to login to the PostgreSQL database server.

The -d dvdrental specifies the target database to load.

Finally, enter the password for the **postgres** user and press enter

Password:

```
Code language: SQL (Structured Query Language) (sql)
```

It takes about seconds to load data stored in the dvdrental. tar file into the dvdrental database.

Load the DVD Rental database using the pgAdmin

The following shows you step by step on how to use the pgAdmin tool to restore the sample database from the database file:

First, launch the **pgAdmin** tool and connect to the PostgreSQL server.

Second, right click the **Databases** and select the **Create > Database...** menu option:

Third, enter the database name <code>dvdrental</code> and click the S	ave button:



Sixth, the restoration process will complete in few seconds and shows the following dialog once it completes:	
Finally, open the dvdrental database from object browser panel, you will find tables in the public schema and other database objects as shown in the following picture:	

In this tutorial, you have learned how to load the dvdrental sample database into the PostgreSQL database server for practicing PostgreSQL.
Let's start learning PostgreSQL and have fun!
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Load Sample Database

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POSTGRESQL FUNDAMENTALS

SELECT

Column Aliases

SELECT DISTINCT WHERE LIMIT **FETCH** IN **BETWEEN** LIKE IS NULL **Table Aliases** Joins **INNER JOIN LEFT JOIN RIGHT JOIN SELF-JOIN FULL OUTER JOIN** Cross Join Natural Join **GROUP BY** UNION **INTERSECT EXCEPT HAVING GROUPING SETS CUBE ROLLUP**

Subquery

ANY

ORDER BY

ALL

EXISTS

INSERT

INSERT Multiple Rows

UPDATE

UPDATE Join

DELETE

DELETE Join

Upsert

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MANAGING TABLES

PostgreSQL Data Types

Create Table

Select Into

Create Table As

SERIAL

Sequences

Identity Column

Alter Table

Rename Table

Add Column

Drop Column

Change Column's Data Type

Rename Column

Drop Table

Temporary Table

Truncate Table

DATABASE CONSTRAINTS

Primary Key

Foreign Key

CHECK Constraint

UNIQUE Constraint

NOT NULL Constraint

POSTGRESQL DATA TYPES

Boolean

CHAR, VARCHAR, and TEXT

NUMERIC

Integer

SERIAL

DATE

TIMESTAMP

Interval

TIME

UUID

JSON

HSTORE

Array

User-defined Data Types

CONDITIONAL EXPRESSIONS &

OPERATORS

CASE

COALESCE

NULLIF

CAST

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