Project: Create Table in PostGreSQLUsing SQL Shell

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Date: 11/25/2024

Prerequisite:

* PostGreSQL downloaded and installed on machine. Download [here](https://www.postgresql.org/download/).
* Know how to log into SQL Shell and start postgres.

Introduction

Creating tables in PostgreSQL using the SQL Shell (psql) is a fundamental skill for database management. This guide will walk you through the process of setting up your environment, connecting to your PostgreSQL database, and creating tables using SQL commands.

Note: One helpful thing to have ahead of time while creating tables in a database is the physical documentation of the database which should include various details of the table’s definition.

Before beginning, make sure to sign into PostGreSQL before getting started. For help, [***Creating a*** ***PostGreSQL Database Using SQL Shel***](https://github.com/pau85/drawIoDatabaseDiagram/blob/dd9fde16f00ebebeb211b8b34d093803451565cb/skillspage/Tutorials/Documentation/Create%20a%20PostgreSQL%20database%20with%20SQL%20Shell.pdf)***l*** reviews how to log into postgres using SQL Shell.

A screen shot of a computer

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Next, connect to the database using the command below.

|  |
| --- |
| Connect to a Database. |
| \c <database name> |
|  |

Create Table

In SQL Shell, tables in the database can be created using a SQL statement such as what is shown below:

A screen shot of a computer

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For the Skillset database documentation, there is a physical document that has each table’s definition. This is valuable to have on hand for reference on datatypes and table structures.

For this project, here is a screenshot of the excel document that contains the CREATE statement:

A screenshot of a computer

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This is just one record from this document, and it was a document created before beginning to implement this database. Physical documents like this are very helpful for planning and implementing a database. [Here](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fraw.githubusercontent.com%2Fpau85%2FdrawIoDatabaseDiagram%2Frefs%2Fheads%2Fmain%2Fskillspage%2FPhysical%2520Diagram%2520and%2520Database%2520Documentation.xlsx&wdOrigin=BROWSELINK) is an example of a physical document I created for this Skillset project.

That’s it! You created a table in PostGreSQL!

Thanks - hope this was helpful!