SESSIONS 1

# CREATE Table Statement

Data Science Program

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# How to Access Databases in MySQL?

MySQL Databases

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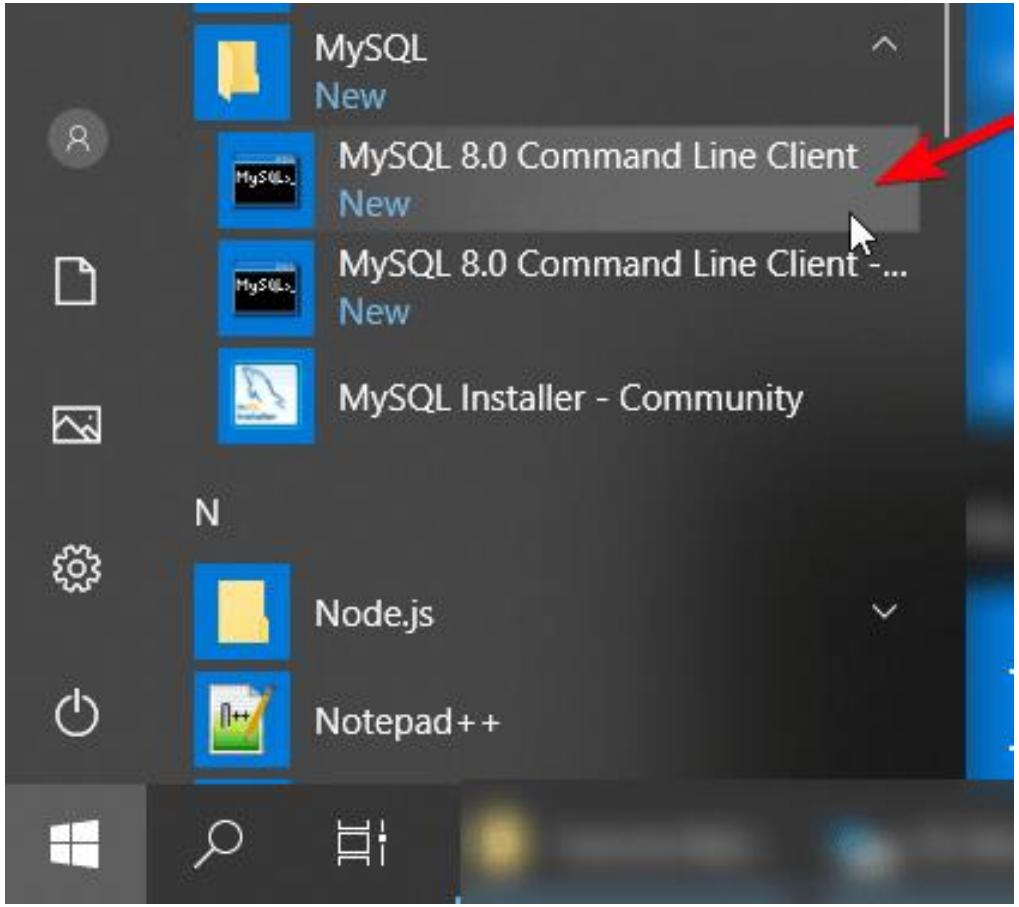
# Access Databases using **MySQL 8.0 Command Line Client**




- Click Windows logo
- Search **MySQL 8.0 Command Line Client**

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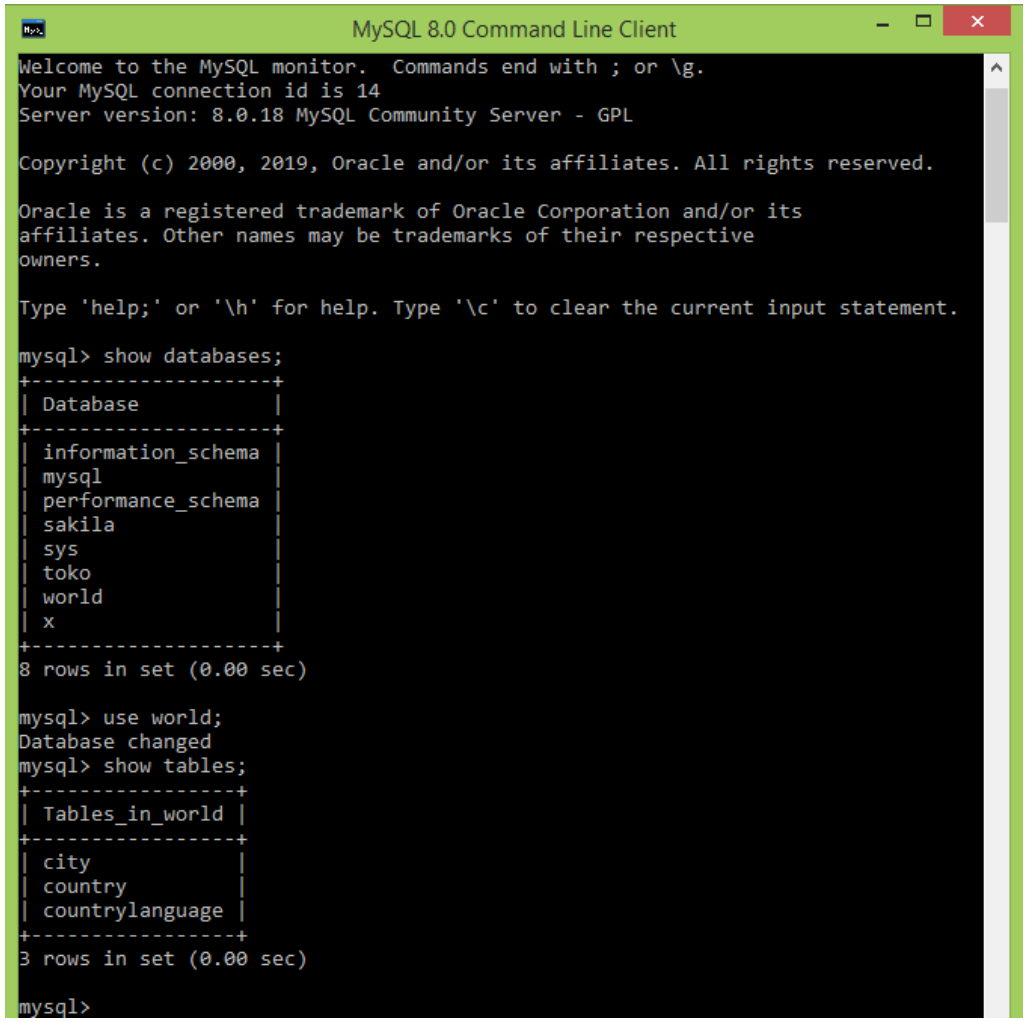
# Access Databases using **MySQL 8.0 Command Line Client**




- Type your **password.**
- If you see *"**mysql>**"*, it means you have successfully enter access databases.
- Type '***show databases;***' to view all databases.
- Type '***use databasename***' to access one of your databases. For example: *use world*.
- To view all tables in your database, type *"**show tables**'*

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# Create & Drop Database

MySQL Databases

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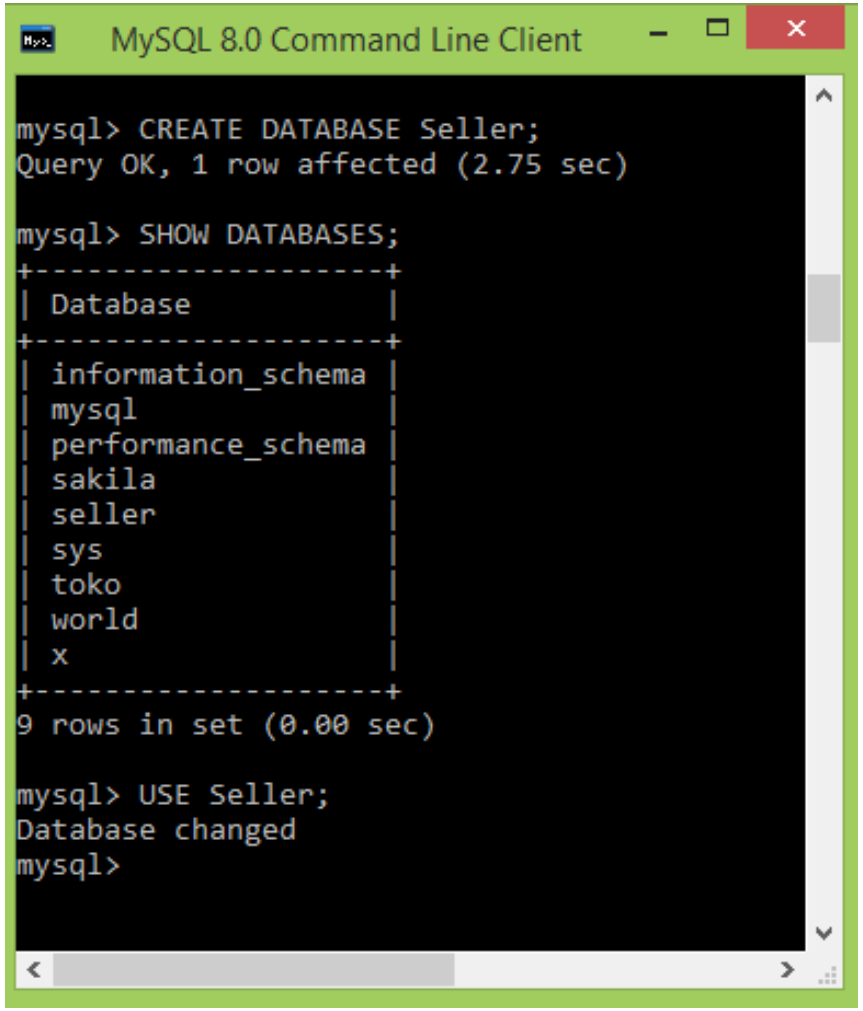
# Create Database




- To create new **databases**, type: CREATE DATABASE database_name;
- For example: **CREATE DATABASE Seller;**
- If you want to use this database, type **USE Seller;**

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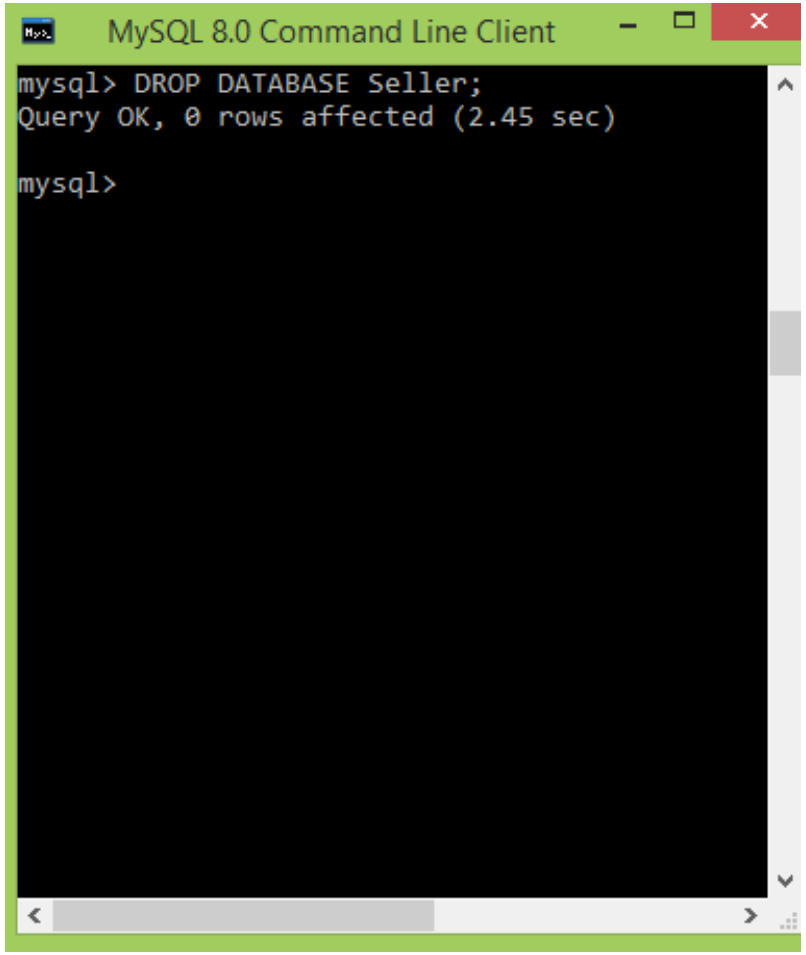
# Drop Database




- Sometimes, we no longer using database. We can drop this database, just type: **DROP DATABASE *databasename*;**
- For example, type: **DROP DATABASE Seller;**
- But if you still need this database and tables inside database, don't do this syntax!

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# Create Table

MySQL Databases

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# CREATE TABLE Statement

- The CREATE TABLE statement is used to create a new table in a database.

```
CREATE TABLE table_name (
    column1 datatype,
    column2 datatype,
    column3 datatype,
   ....
);
```

- The column parameters specify the names of the columns of the table.
- The datatype parameter specifies the type of data the column can hold (e.g. varchar, integer, date, etc.).

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# Example

- The following example creates a table called "Persons" that contains five columns: PersonID, LastName, FirstName, Address, and City:

```
CREATE TABLE Persons (
    PersonID int,
    LastName varchar(255),
    FirstName varchar(255),
    Address varchar(255),
    City varchar(255)
);
```

- The PersonID column is of type int and will hold an integer.
- The LastName, FirstName, Address, and City columns are of type varchar and will hold characters, and the maximum length for these fields is 255 characters.

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# Create Table Using Another Table

- A copy of an existing table can also be created using CREATE TABLE.
- The new table gets the same column definitions. All columns or specific columns can be selected.
- If you create a new table using an existing table, the new table will be filled with the existing values from the old table.

```
CREATE TABLE new_table_name AS
    SELECT column1, column2,...
    FROM existing_table_name
    WHERE ....;
```

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# Example

- The following SQL creates a new table called "TestTables" (which is a copy of the "Customers" table):

```
CREATE TABLE TestTable AS
SELECT customername, contactname
FROM customers;
```

# Reference

- https://www.w3schools.com/sql/sql_create_db.asp
- https://www.w3schools.com/sql/sql_drop_db.asphttps://www.w3schools.com/sql/sql_drop_db.asp
- https://www.w3schools.com/sql/sql_create_table.asp

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