How to create a Database in MySQL

What is a Database ?

Database is a collection of tables that belong to or used by an application. Different users in an use case of application might access the tables of a database. Multiple databases could be hosted in a single MySQL server, because of which a client has to select a database prior to requesting the SQL operations.

We shall learn how to create a database and in the subsequent tutorials, we shall create tables in the database.

Syntax to Create a DATABASE in MySQL

Following is the syntax to create a database. Providing database name is mandatory.

```
CREATE DATABASE <database_name>;
```

An example to Create a DATABASE in MySQL

Following is example SQL query to create a database named**students**

```
CREATE DATABASEstudents;
```

CREATE DATABASE Example

```
mysql> CREATE
DATABASE students;
```

```
mysql> CREATE DATABASE students;
Query OK, 1 row affected (0.03 sec)
```

When the above SQL Query is executed, a database named “students” is created.

To check if the database “students” is created or not , run the following SQL Query

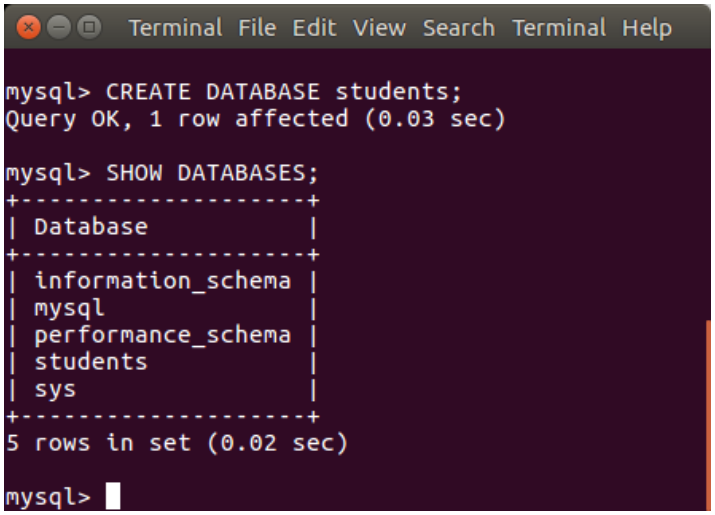
```
SHOW DATABASES;
```

show existing DATABASES

```
mysql> SHOW
DATABASES;
```

```
mysql> SHOW DATABASES;
+--------------------+
| Database |
+--------------------+
| information_schema |
| mysql |
| performance_schema |
| students |
| sys |
+--------------------+
5 rows in set (0.02 sec)
```

“students” database has been successfully created. Other databases that appear in the list are default databases that come with MySQL Server.



Create a Database in MySQL

Note : If you have come across SCHEMA in other database management systems, SCHEMA is a collection of tables and DATABASE is a collection of SCHEMAs. But in MySQL, there is nothing specifically a SCHEMA. Hence SCHEMA could be used as an alias to DATABASE.

Learn MySQL

- MySQL Tutorial

User Management

- MySQL Server - Login to mysql Command Line Interface
- MySQL Server - Get list of All Users
- MySQL Server - Get list of Connected Users

DATABASE

- MySQL - Create DATABASE
- MySQL - Delete DATABASE
- MySQL - Show existing Databases
- MySQL - Select or Use DATABASE

TABLE

- MySQL - Create Table
- MySQL - Rename Table
- MySQL - Duplicate a Table
- MySQL - Add a new Column to Table
- MySQL - Delete or Drop a Column from MySQL Table
- MySQL - Select Distinct Values of Column
- MySQL - Count number of rows in Table
- MySQL - Increase column size
- MySQL - Add an AUTO_INCREMENT column as PRIMARY KEY
- MySQL - Add Column to INDEX
- MySQL - Delete or Drop Column from INDEX
- MySQL - SHOW INDEX of Table
- MySQL - Rename Column or Change Column

Solve Issues

- MySQL - LAST_INSERT_ID returns 0