

MySQL

A database is used to store the collection of records in an organized form. MySQL is a relational database management system based on the Structured Query Language, which is the popular language for accessing and managing the records in the database. MySQL is open-source and free software under the GNU license. It is supported by Oracle Company.

MySQL Create Database

Syntax: **CREATE DATABASE** [database_name];

Example: mysql> CREATE DATABASE University;

This will create a database called as **University**

Output:

```
Command Prompt - mysql -u root -p
mysql> create database University;
Query OK, 1 row affected (0.39 sec)

mysql>
```

MySQL Show Databases (To view the newly created database)

Syntax: **SHOW DATABASES;**

Example: mysql>SHOW DATABASES;

This will show all the databases already created in the system

Output:

```
mysql> Show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| mysqltestdb |
| performance_schema |
| sakila |
| sys |
| university |
| world |
+-----+
8 rows in set (0.19 sec)
```

MySQL DROP Database

We can drop/delete/remove a MySQL database quickly with the MySQL DROP DATABASE command. It will delete the database along with all the tables, indexes, and constraints permanently.

Syntax: **DEOP DATABASE** [database_name];

Example: mysql> DROP DATABASE University;

This will DROP the **University** database

Output:

```
mysql> Show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql          |
| mysqltestdb    |
| performance_schema |
| sakila         |
| sys            |
| university     |
| world          |
+-----+
8 rows in set (0.19 sec)

mysql> drop database university;
Query OK, 0 rows affected (0.26 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql          |
| mysqltestdb    |
| performance_schema |
| sakila         |
| sys            |
| world          |
+-----+
7 rows in set (0.00 sec)
```

Before deleting **University** database

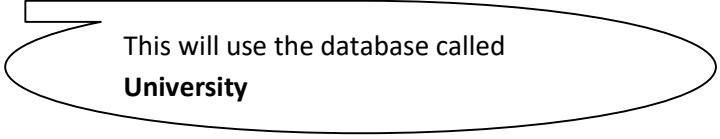
After deleting **University** database

MySQL Use Databases (To use a already created database)

in MySQL to select a particular database to work with.

Syntax: **USE** [database_name];

Example: `mysql>USE University;`



This will use the database called
University

Output:

```
C:\> Command Prompt - mysql -u root -p
mysql> use University;
Database changed
mysql>
```