

MySQL Command Line desde cero 2

```
MySQL 5.5 Command Line Cli + v
+-----+
| information_schema |
| cafe                |
| empresa              |
| mysql                |
| performance_schema |
| test                 |
+-----+
6 rows in set (0.00 sec)

mysql> create database universidad;
Query OK, 1 row affected (0.00 sec)

mysql> show databases;
+-----+
| Database   |
+-----+
| information_schema |
| cafe                |
| empresa              |
| mysql                |
| performance_schema |
| test                 |
| universidad          |
+-----+
7 rows in set (0.00 sec)

mysql> use universidad;
Database changed
mysql> |
```

```
MySQL 5.5 Command Line Cli + v
mysql>
mysql>
mysql> create table Estudiantes (id_estudiante int unsigned not null auto_increment comment 'Llave primaria',Nombre varchar(30) not null , Identificacion varchar(20) not null, Telefono varchar(20), Direccion varchar(50), Nacimiento date , Carrera varchar(50),primary key(id_estudiante));
Query OK, 0 rows affected (0.03 sec)

mysql> show tables;
+-----+
| Tables_in_universidad |
+-----+
| estudiantes           |
+-----+
1 row in set (0.00 sec)

mysql> describe estudiantes;
+-----+-----+-----+-----+-----+-----+
| Field      | Type       | Null | Key | Default | Extra        |
+-----+-----+-----+-----+-----+-----+
| id_estudiante | int(10) unsigned | NO | PRI | NULL | auto_increment |
| Nombre      | varchar(30)    | NO |     | NULL |             |
| Identificacion | varchar(20)  | NO |     | NULL |             |
| Telefono    | varchar(20)    | YES |     | NULL |             |
| Direccion   | varchar(50)    | YES |     | NULL |             |
| Nacimiento  | date         | YES |     | NULL |             |
| Carrera     | varchar(50)  | YES |     | NULL |             |
+-----+-----+-----+-----+-----+-----+
```

```
MySQL 5.5 Command Line Cli + X
Your MySQL connection id is 13
Server version: 5.5.16 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use universidad;
Database changed
mysql> show tables;
+-----+
| Tables_in_universidad |
+-----+
| estudiantes           |
+-----+
1 row in set (0.00 sec)

mysql> insert into estudiantes(nombre, identificacion,telefono,direccion, nacimiento, carrera) values ('oscar','125487','3515847','calle1','1984-12-24','piscologia');
Query OK, 1 row affected (0.03 sec)

mysql> select * from esduantes;
ERROR 1146 (42S02): Table 'universidad.esduantes' doesn't exist
mysql> select * from estudiantes;
+-----+-----+-----+-----+-----+-----+
| id_estudiante | Nombre | Identificacion | Telefono | Direccion | Nacimiento | Carrera |
+-----+-----+-----+-----+-----+-----+
|         1 | oscar  | 125487        | 3515847  | calle1    | 1984-12-24 | piscologia |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> |
```

```
MySQL 5.5 Command Line Cli + X
| Database      |
+-----+
| information_schema |
| cafe          |
| empresa       |
| mysql          |
| performance_schema |
| test          |
| universidad   |
+-----+
7 rows in set (0.00 sec)

mysql> drop database universidad;
Query OK, 1 row affected (0.03 sec)

mysql> show databases;
+-----+
| Database      |
+-----+
| information_schema |
| cafe          |
| empresa       |
| mysql          |
| performance_schema |
| test          |
+-----+
6 rows in set (0.00 sec)

mysql> |
```

```
MySQL>
MySQL> create table estudiantes (id_estudiante int unsigned not null auto_increment comment 'Llave primaria',
-> Nombre varchar(30) not null , Identificacion varchar(20) not null , Telefono varchar(20), Direccion var
char(50), Nacimiento date, Carrera varchar(50), primary key (id_estudiante));
Query OK, 0 rows affected (0.02 sec)

mysql> create table materias(id_materia varchar(4) not null, Nombre_materia varchar(50),
-> horario int unsigned not null , costo int unsigned not null,
-> docente varchar(50), primary key(id_materia));
Query OK, 0 rows affected (0.03 sec)

mysql> create table notas(id_nota varchar(4) not null, id_estudiante int unsigned not null,
-> id_materia varchar(4) , nota_final float unsigned not null, aprobado varchar (2) not null,
-> primary key (id_nota));
Query OK, 0 rows affected (0.03 sec)

mysql> |
```

```
MySQL> sho tables ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL serv
er version for the right syntax to use near 'sho tables' at line 1
mysql> show tables;
+-----+
| Tables_in_universidad |
+-----+
| estudiantes
| materias
| notas
+-----+
3 rows in set (0.00 sec)

mysql> explain estudiantes;
+-----+-----+-----+-----+-----+-----+
| Field      | Type       | Null | Key  | Default | Extra       |
+-----+-----+-----+-----+-----+-----+
| id_estudiante | int(10) unsigned | NO   | PRI  | NULL    | auto_increment |
| Nombre      | varchar(30)    | NO   |      | NULL    |             |
| Identificacion | varchar(20)   | NO   |      | NULL    |             |
| Telefono     | varchar(20)    | YES  |      | NULL    |             |
| Direccion    | varchar(50)    | YES  |      | NULL    |             |
| Nacimiento   | date         | YES  |      | NULL    |             |
| Carrera      | varchar(50)   | YES  |      | NULL    |             |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.02 sec)

mysql> |
```

```
MySQL 5.5 Command Line Cli  +  X
3 rows in set (0.00 sec)

mysql> explain estudiantes;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_estudiante | int(10) unsigned | NO  | PRI | NULL    | auto_increment |
| Nombre        | varchar(30)      | NO  |     | NULL    |                |
| Identificacion | varchar(20)      | NO  |     | NULL    |                |
| Telefono       | varchar(20)      | YES |     | NULL    |                |
| Direccion      | varchar(50)       | YES |     | NULL    |                |
| Nacimiento     | date              | YES |     | NULL    |                |
| Carrera        | varchar(50)       | YES |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.02 sec)

mysql> explain materias;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_materia | varchar(4)      | NO  | PRI | NULL    |                |
| Nombre_materia | varchar(50)    | YES |     | NULL    |                |
| horario     | int(10) unsigned | NO  |     | NULL    |                |
| costo        | int(10) unsigned | NO  |     | NULL    |                |
| docente      | varchar(50)      | YES |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

mysql> explain notas;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_nota | varchar(4)      | NO  | PRI | NULL    |                |
| id_estudiante | int(10) unsigned | NO  |     | NULL    |                |
| id_materia | varchar(4)      | YES |     | NULL    |                |
| nota_final | float unsigned   | NO  |     | NULL    |                |
| aprobado   | varchar(2)       | NO  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> |
```

```
MySQL 5.5 Command Line Cli + X
mysql> create database sonic;
Query OK, 1 row affected (0.01 sec)

mysql> show database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near 'database' at line 1
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| cafe |
| empresa |
| mysql |
| performance_schema |
| sonic |
| test |
| universidad |
+-----+
8 rows in set (0.00 sec)

mysql> use sonic;
Database changed
mysql> create table uno(id int not null,nombre varchar(20) not null , registro varchar(20) not null);
Query OK, 0 rows affected (0.02 sec)

mysql> insert into uno (1, 'atomo', '01');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near '1, 'atomo', '01')' at line 1
mysql> insert into uno (id, nombre, registro) values(1, 'atomo', '00');
Query OK, 1 row affected (0.02 sec)

mysql> explain uno;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
```

```
MySQL 5.5 Command Line Cli + X
mysql> use sonic;
Database changed
mysql> create table uno(id int not null,nombre varchar(20) not null , registro varchar(20) not null);
Query OK, 0 rows affected (0.02 sec)

mysql> insert into uno (1, 'atomo', '01');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near '1, 'atomo', '01')' at line 1
mysql> insert into uno (id, nombre, registro) values(1, 'atomo', '00');
Query OK, 1 row affected (0.02 sec)

mysql> explain uno;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| id   | int(11) | NO  |   | NULL    |   |
| nombre | varchar(20) | NO  |   | NULL    |   |
| registro | varchar(20) | NO  |   | NULL    |   |
+-----+-----+-----+-----+-----+
3 rows in set (0.02 sec)

mysql> select * from uno;
+----+-----+-----+
| id | nombre | registro |
+----+-----+-----+
| 1  | atomo  | 00      |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> drop tables uno;
Query OK, 0 rows affected (0.03 sec)

mysql> show tables;
Empty set (0.00 sec)
```