

MySQL Command Line desde cero 2

```
MySQL 5.5 Command Line Cli x + 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 x + 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    |                |
+-----+-----+-----+-----+-----+-----+

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

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affiliates. Other names may be trademarks of their respective
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',
-> 'psicologia');
Query OK, 1 row affected (0.03 sec)

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

mysql> |
```

```
MySQL 5.5 Command Line Cli x + v
+-----+
| 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> |
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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> |

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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> |

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```
MySQL 5.5 Command Line Cli x + v
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> |
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```
MySQL 5.5 Command Line Cli x + v
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 |
+-----+-----+-----+-----+-----+-----+
| id | int(11) | NO | | | |
| nombre | varchar(20) | NO | | | |
| registro | varchar(20) | NO | | | |
+-----+-----+-----+-----+-----+
3 rows in set (0.02 sec)
```

```
MySQL 5.5 Command Line Cli x + v
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 | | | |
| nombre | varchar(20) | NO | | | |
| registro | varchar(20) | NO | | | |
+-----+-----+-----+-----+-----+
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)
```