

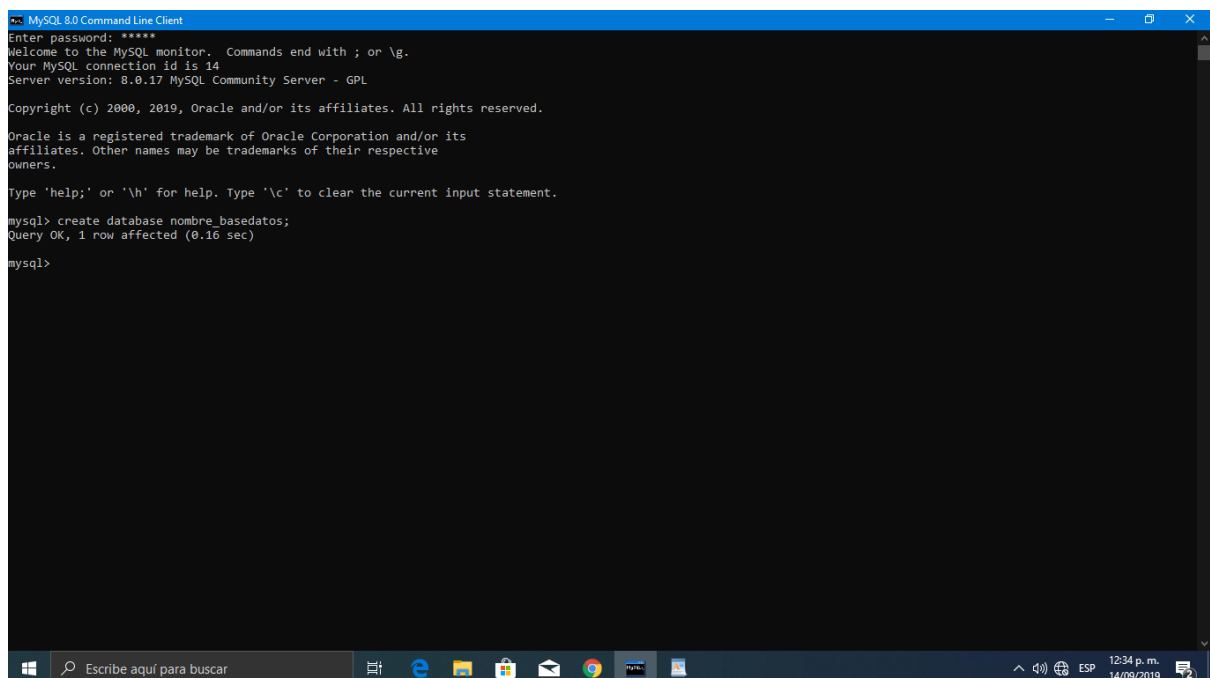
BASE DE DATOS MYSQL / CONSOLA

FABIAN LOPEZ

ADSI

1803183 G1

1. mysql> create database nombre_basedatos;



```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.17 MySQL Community Server - GPL

Copyright (c) 2000, 2019, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
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> create database nombre_basedatos;
Query OK, 1 row affected (0.16 sec)

mysql>
```

2. mysql> use nombre_base_de_datos; / 3. mysql> show databases ;

```
MySQL 8.0 Command Line Client

Copyright (c) 2000, 2019, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
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> create database citas;
ERROR 1007 (HY000): Can't create database 'citas'; database exists
mysql> show databases ;
+-----+
| Database |
+-----+
| citas    |
| information_schema |
| mysql    |
| nombre_basedatos |
| performance_schema |
| sakila   |
| sys      |
| world    |
+-----+
8 rows in set (0.00 sec)

mysql>
```

4. `mysql> create table nombreTabla (nombrecampo1 tipodatos(tamaño) modificador, nombrecampo2 tipodatos(tamaño) modificador, ... primary key (nombrecampo1));`

```
MySQL 8.0 Command Line Client

Oracle is a registered trademark of Oracle Corporation and/or its
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> show databases;
+-----+
| Database |
+-----+
| citas    |
| information_schema |
| mysql    |
| nombre_basedatos |
| performance_schema |
| sakila   |
| sys      |
| world    |
+-----+
8 rows in set (0.00 sec)

mysql> create table Medicos(
  -> MedIdentificacion char(10) not null,
  -> MedNombres varchar(50) not null,
  -> MedApellidos varchar(50) not null,
  -> primary key(MedIdentificacion)
  -> );
ERROR 1046 (3D000): No database selected
mysql> use citas ;database changed
mysql> \c
mysql> use citas
Database changed
mysql> create table Medicos(
  -> MedIdentificacion char(10) not null,
  -> MedNombres varchar(50) not null,
  -> MedApellidos varchar(50) not null,
  -> primary key(MedIdentificacion)
  -> );
Query OK, 0 rows affected (0.76 sec)

mysql>
```

5. `mysql> show tables from base_de_datos ;`

```
MySQL 8.0 Command Line Client
+-----+
| nombre_basedatos |
| performance_schema |
| sakila |
| sys |
| world |
+-----+
8 rows in set (0.00 sec)

mysql> create table Medicos(
  -> MedIdentificacion char(10) not null,
  -> MedNombres varchar(50) not null,
  -> MedApellidos varchar(50) not null,
  -> primary key(MedIdentificacion)
  -> );
ERROR 1046 (3D000): No database selected
mysql> use citas ;database changed
Database changed
mysql> \c
mysql> use citas
Database changed
mysql> create table Medicos(
  -> MedIdentificacion char(10) not null,
  -> MedNombres varchar(50) not null,
  -> MedApellidos varchar(50) not null,
  -> primary key(MedIdentificacion)
  -> );
Query OK, 0 rows affected (0.76 sec)

mysql> show tables from citas;
+-----+
| Tables_in_citas |
+-----+
| medicos |
+-----+
1 row in set (0.01 sec)

mysql>
```

6. mysql> describe nombre_de_tabla ;

```
MySQL 8.0 Command Line Client
mysql> create table Medicos(
  -> MedIdentificacion char(10) not null,
  -> MedNombres varchar(50) not null,
  -> MedApellidos varchar(50) not null,
  -> primary key(MedIdentificacion)
  -> );
Query OK, 0 rows affected (0.76 sec)

mysql> show tables from citas;
+-----+
| Tables_in_citas |
+-----+
| medicos |
+-----+
1 row in set (0.01 sec)

mysql> describe Medico
-> ;
ERROR 1146 (42S02): Table 'citas.medico' doesn't exist
mysql> describe Medico;
ERROR 1146 (42S02): Table 'citas.medico' doesn't exist
mysql> describe Medicos;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| MedIdentificacion | char(10) | NO | PRI | NULL | |
| MedNombres | varchar(50) | NO | | NULL | |
| MedApellidos | varchar(50) | NO | | NULL | |
+-----+
3 rows in set (0.04 sec)

mysql>
```

7. mysql> create table Pacientes(

```
MySQL 8.0 Command Line Client

mysql> show tables from citas;
+-----+
| Tables_in_citas |
+-----+
| medicos          |
+-----+
1 row in set (0.01 sec)

mysql> describe Medico
-> ;
ERROR 1146 (42S02): Table 'citas.medico' doesn't exist
mysql> describe Medico;
ERROR 1146 (42S02): Table 'citas.medico' doesn't exist
mysql> describe Medicos;
+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+
| MedIdentificacion | char(10)      | NO   | PRI | NULL    |       |
| MedNombres       | varchar(50)   | NO   |     | NULL    |       |
| MedApellidos     | varchar(50)   | NO   |     | NULL    |       |
+-----+
3 rows in set (0.04 sec)

mysql> create table Pacientes(
-> PacIdentificacion char(10) not null,
-> PacNombres varchar(50) not null,
-> PacApellidos varchar(50) not null,
-> PacFechaNacimiento date not null,
-> primary key(PacIdentificacion)
-> );
Query OK, 0 rows affected (0.39 sec)

mysql>
```

8. mysql> show tables from citas;

```
MySQL 8.0 Command Line Client

mysql> describe Medico
-> ;
ERROR 1146 (42S02): Table 'citas.medico' doesn't exist
mysql> describe Medico;
ERROR 1146 (42S02): Table 'citas.medico' doesn't exist
mysql> describe Medicos;
+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+
| MedIdentificacion | char(10)      | NO   | PRI | NULL    |       |
| MedNombres       | varchar(50)   | NO   |     | NULL    |       |
| MedApellidos     | varchar(50)   | NO   |     | NULL    |       |
+-----+
3 rows in set (0.04 sec)

mysql> create table Pacientes(
-> PacIdentificacion char(10) not null,
-> PacNombres varchar(50) not null,
-> PacApellidos varchar(50) not null,
-> PacFechaNacimiento date not null,
-> primary key(PacIdentificacion)
-> );
Query OK, 0 rows affected (0.39 sec)

mysql> show tables from citas;
+-----+
| Tables_in_citas |
+-----+
| medicos          |
| pacientes        |
+-----+
2 rows in set (0.00 sec)

mysql>
```

9. mysql> describe Pacientes ;

```
MySQL 8.0 Command Line Client
+-----+-----+
| MedApellidos | varchar(50) | NO | NULL |
+-----+-----+
3 rows in set (0.04 sec)

mysql> create table Pacientes(
  -> PacIdentificacion char(10) not null,
  -> PacNombres varchar(50) not null,
  -> PacApellidos varchar(50) not null,
  -> PacFechaNacimiento date not null,
  -> primary key(PacIdentificacion)
  -> );
Query OK, 0 rows affected (0.39 sec)

mysql> show tables from citas;
+-----+
| Tables_in_citas |
+-----+
| medicos          |
| pacientes        |
+-----+
2 rows in set (0.00 sec)

mysql> describe Pacientes;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| PacIdentificacion | char(10) | NO | PRI | NULL |
| PacNombres        | varchar(50) | NO |     | NULL |
| PacApellidos      | varchar(50) | NO |     | NULL |
| PacFechaNacimiento | date | NO |     | NULL |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

10. mysql> create table Consultorios(

```
MySQL 8.0 Command Line Client
+-----+
| medicos          |
| pacientes        |
+-----+
2 rows in set (0.00 sec)

mysql> describe Pacientes;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| PacIdentificacion | char(10) | NO | PRI | NULL |
| PacNombres        | varchar(50) | NO |     | NULL |
| PacApellidos      | varchar(50) | NO |     | NULL |
| PacFechaNacimiento | date | NO |     | NULL |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> create table Consultorios(
  -> ConNumero int(3) not null,
  -> ConNombre varchar(50) not null,
  -> primary key(ConNumero)
  -> );
Query OK, 0 rows affected, 1 warning (0.33 sec)

mysql>
```

11. mysql> show tables from citas ;

```
MySQL 8.0 Command Line Client
+-----+
| medicos |
| pacientes |
+-----+
2 rows in set (0.00 sec)

mysql> describe Pacientes;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| PacIdentificacion | char(10) | NO | PRI | NULL |
| PacNombres | varchar(50) | NO | | NULL |
| PacApellidos | varchar(50) | NO | | NULL |
| PacFechaNacimiento | date | NO | | NULL |
+-----+
4 rows in set (0.00 sec)

mysql> create table Consultorios(
  -> ConNumero int(3) not null,
  -> ConNombre varchar(50) not null,
  -> primary key(ConNumero)
  -> );
Query OK, 0 rows affected, 1 warning (0.33 sec)

mysql> show tables from citas;
+-----+
| Tables_in_citas |
+-----+
| consultorios |
| medicos |
| pacientes |
+-----+
3 rows in set (0.00 sec)

mysql>
```

12. mysql> describe Consultorios ;

```
MySQL 8.0 Command Line Client
+-----+
| PacFechaNacimiento | date | NO | | NULL |
+-----+
4 rows in set (0.00 sec)

mysql> create table Consultorios(
  -> ConNumero int(3) not null,
  -> ConNombre varchar(50) not null,
  -> primary key(ConNumero)
  -> );
Query OK, 0 rows affected, 1 warning (0.33 sec)

mysql> show tables from citas;
+-----+
| Tables_in_citas |
+-----+
| consultorios |
| medicos |
| pacientes |
+-----+
3 rows in set (0.00 sec)

mysql> describe Consultorios;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| ConNumero | int(3) | NO | PRI | NULL |
| ConNombre | varchar(50) | NO | | NULL |
+-----+
2 rows in set (0.00 sec)

mysql>
```

13. foreign key(nombre_de_campo) references tabla(campo_tabla)

```
MySQL 8.0 Command Line Client
+-----+
| Tables_in_citas |
+-----+
| consultorios    |
| medicos         |
| pacientes       |
+-----+
3 rows in set (0.00 sec)

mysql> describe Consultorios;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| ConNumero  | int(3)    | NO   | PRI | NULL    |       |
| ConNombre  | varchar(50)| NO   |     | NULL    |       |
+-----+
2 rows in set (0.00 sec)

mysql> CREATE TABLE citas(
  -> CitNumero int AUTO_INCREMENT,
  -> CitFecha date NOT NULL,
  -> CitHora varchar(10) NOT NULL,
  -> CitPaciente char(10) NOT NULL,
  -> CitMedico char(10) NOT NULL,
  -> CitConsultorio int(3) NOT NULL,
  -> CitEstado enum('Asignada','Cumplida') NOT NULL DEFAULT 'Asignada',
  -> PRIMARY KEY (CitNumero),
  -> FOREIGN KEY (CitPaciente) REFERENCES Pacientes (PacIdentificacion),
  -> FOREIGN KEY (CitMedico) REFERENCES Medicos (MedIdentificacion),
  -> FOREIGN KEY (CitConsultorio) REFERENCES Consultorios (ConNumero)
  -> );
Query OK, 0 rows affected, 1 warning (0.65 sec)

mysql>
```