

Fotos: Untitled Document.jpg

Símbolo del sistema - mysql -u root -p

```
C:\Users\guvad>mysql -u root -p
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.17 MySQL Community Server - GPL

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owners.

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

mysql> create database BD Empresa;
Query OK, 1 row affected (0.32 sec)

mysql> use BD Empresa;
Database changed
mysql> CREATE TABLE Departamento(NombreDpto VARCHAR(50) NOT NULL, NumDpto INT NOT NULL PRI
MARY KEY,DniDirector VARCHAR(9) NOT NULL,FechaIngresoDirector VARCHAR(10) NOT NULL);
Query OK, 0 rows affected (1.51 sec)

mysql> DESCRIBE Departamento;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NombreDpto | varchar(50) | NO | | NULL | |
| NumDpto | int(11) | NO | PRI | NULL | |
| DniDirector | varchar(9) | NO | | NULL | |
| FechaIngresoDirector | varchar(10) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql>
```

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06:13 p. m.
18/09/2019

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Símbolo del sistema - mysql -u root -p

```
mysql> use BD Empresa;
Database changed
mysql> CREATE TABLE Departamento(NombreDpto VARCHAR(50) NOT NULL, NumDpto INT NOT NULL PRI
MARY KEY,DniDirector VARCHAR(9) NOT NULL,FechaIngresoDirector VARCHAR(10) NOT NULL);
Query OK, 0 rows affected (1.51 sec)

mysql> DESCRIBE Departamento;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NombreDpto | varchar(50) | NO | | NULL | |
| NumDpto | int(11) | NO | PRI | NULL | |
| DniDirector | varchar(9) | NO | | NULL | |
| FechaIngresoDirector | varchar(10) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> CREATE TABLE Empleado(Nombre VARCHAR(50) NOT NULL, Apellido1 VARCHAR(50) NOT NULL,
Apellido2 VARCHAR(50),Dni INT NOT NULL PRIMARY KEY,FechaNac VARCHAR(10) NOT NULL,Direccion
VARCHAR(50) NOT NULL, Sexo CHAR NOT NULL CHECK (Sexo IN('H','M')),Suelo FLOAT NOT NULL,S
uperDni INT NOT NULL,Dno INT NOT NULL, FOREIGN KEY (SuperDni) REFERENCES Empleado(Dni) ON
UPDATE CASCADE ON DELETE CASCADE, FOREIGN KEY (Dno) REFERENCES Departamento(NumDpto) ON UP
DATE CASCADE ON DELETE CASCADE);
Query OK, 0 rows affected (1.08 sec)

mysql> DESCRIBE Empleado;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Nombre | varchar(50) | NO | | NULL | |
| Apellido1 | varchar(50) | NO | | NULL | |
| Apellido2 | varchar(50) | YES | | NULL | |
| Dni | int(11) | NO | PRI | NULL | |
| FechaNac | varchar(10) | NO | | NULL | |
| Direccion | varchar(50) | NO | | NULL | |
| Sexo | char(1) | NO | | NULL | |
| Suelo | float | NO | | NULL | |
| SuperDni | int(11) | NO | MUL | NULL | |
| Dno | int(11) | NO | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql>
```

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06:58 p. m.
18/09/2019

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mysql -u root -p
Apellido2 VARCHAR(50), Dni INT NOT NULL PRIMARY KEY, FechaNac VARCHAR(10) NOT NULL, Direccion
VARCHAR(50) NOT NULL, Sexo CHAR NOT NULL CHECK (Sexo IN('H','M')), Sueldo FLOAT NOT NULL, S
uperDni INT NOT NULL, Dno INT NOT NULL, FOREIGN KEY (SuperDni) REFERENCES Empleado(Dni) ON
UPDATE CASCADE ON DELETE CASCADE, FOREIGN KEY (Dno) REFERENCES Departamento(NumDpto) ON UP
DATE CASCADE ON DELETE CASCADE);
Query OK, 0 rows affected (1.08 sec)

mysql> DESCRIBE Empleado;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Nombre | varchar(50) | NO | | NULL | |
| Apellido1 | varchar(50) | NO | | NULL | |
| Apellido2 | varchar(50) | YES | | NULL | |
| Dni | int(11) | NO | PRI | NULL | |
| FechaNac | varchar(10) | NO | | NULL | |
| Direccion | varchar(50) | NO | | NULL | |
| Sexo | char(1) | NO | | NULL | |
| Sueldo | float | NO | | NULL | |
| SuperDni | int(11) | NO | MUL | NULL | |
| Dno | int(11) | NO | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> CREATE TABLE Localizaciones_Dpto(NumDpto INT NOT NULL, UbicacionDpto VARCHAR(50) NO
T NULL, PRIMARY KEY(NumDpto,UbicacionDpto), FOREIGN KEY(NumDpto) REFERENCES Departamento(N
umDpto));
Query OK, 0 rows affected (0.56 sec)

mysql> DESCRIBE Localizaciones_Dpto;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NumDpto | int(11) | NO | PRI | NULL | |
| UbicacionDpto | varchar(50) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>

```

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mysql -u root -p
Sueldo | float | NO | NULL | |
SuperDni | int(11) | NO | MUL | NULL |
Dno | int(11) | NO | MUL | NULL |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> CREATE TABLE Localizaciones_Dpto(NumDpto INT NOT NULL, UbicacionDpto VARCHAR(50) NO
T NULL, PRIMARY KEY(NumDpto,UbicacionDpto), FOREIGN KEY(NumDpto) REFERENCES Departamento(N
umDpto));
Query OK, 0 rows affected (0.56 sec)

mysql> DESCRIBE Localizaciones_Dpto;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NumDpto | int(11) | NO | PRI | NULL | |
| UbicacionDpto | varchar(50) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> CREATE TABLE Subordinado(DniEmpleado INT NOT NULL, NombSubordinado VARCHAR(50) NOT N
ULL, Sexo CHAR NOT NULL CHECK(Sexo IN('H','M')), FechaNac VARCHAR(10) NOT NULL, Relacion V
ARCHAR(30), PRIMARY KEY(DniEmpleado,NombSubordinado), FOREIGN KEY(DniEmpleado) REFERENCES
Empleado(Dni) ON UPDATE CASCADE ON DELETE CASCADE);
Query OK, 0 rows affected (0.64 sec)

mysql> DESCRIBE Subordinado;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| DniEmpleado | int(11) | NO | PRI | NULL | |
| NombSubordinado | varchar(50) | NO | PRI | NULL | |
| Sexo | char(1) | NO | | NULL | |
| FechaNac | varchar(10) | NO | | NULL | |
| Relacion | varchar(30) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.15 sec)

mysql>

```

```

mysql> CREATE TABLE Subordinado(DniEmpleado INT NOT NULL, NombSubordinado VARCHAR(50) NOT NULL, Sexo CHAR NOT NULL CHECK(Sexo IN('H','N')), FechaNac VARCHAR(10) NOT NULL, Relacion VARCHAR(30), PRIMARY KEY(DniEmpleado, NombSubordinado), FOREIGN KEY(DniEmpleado) REFERENCES Empleado(Dni) ON UPDATE CASCADE ON DELETE CASCADE);
Query OK, 0 rows affected (0.64 sec)

mysql> DESCRIBE Subordinado;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| DniEmpleado | int(11) | NO | PRI | NULL | |
| NombSubordinado | varchar(50) | NO | PRI | NULL | |
| Sexo | char(1) | NO | | NULL | |
| FechaNac | varchar(10) | NO | | NULL | |
| Relacion | varchar(30) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.15 sec)

mysql> CREATE TABLE Proyecto(NombreProyecto VARCHAR(50) NOT NULL, NumProyecto INT NOT NULL PRIMARY KEY, UbicacionProyecto VARCHAR(50) NOT NULL, NumDptoProyecto VARCHAR(50) NOT NULL);
Query OK, 0 rows affected (0.73 sec)

mysql> DESCRIBE Proyecto;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NombreProyecto | varchar(50) | NO | | NULL | |
| NumProyecto | int(11) | NO | PRI | NULL | |
| UbicacionProyecto | varchar(50) | NO | | NULL | |
| NumDptoProyecto | varchar(50) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>

```

```

mysql> CREATE TABLE Proyecto(NombreProyecto VARCHAR(50) NOT NULL, NumProyecto INT NOT NULL PRIMARY KEY, UbicacionProyecto VARCHAR(50) NOT NULL, NumDptoProyecto VARCHAR(50) NOT NULL);
Query OK, 0 rows affected (0.73 sec)

mysql> DESCRIBE Proyecto;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NombreProyecto | varchar(50) | NO | | NULL | |
| NumProyecto | int(11) | NO | PRI | NULL | |
| UbicacionProyecto | varchar(50) | NO | | NULL | |
| NumDptoProyecto | varchar(50) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> CREATE TABLE trabaja_en(DniEmpleado INT NOT NULL, NumProy INT NOT NULL, Horas FLOAT, PRIMARY KEY(DniEmpleado, NumProy), FOREIGN KEY(DniEmpleado) REFERENCES Empleado(Dni) ON UPDATE CASCADE ON DELETE CASCADE, FOREIGN KEY(NumProy) REFERENCES Proyecto(NumProyecto) ON UPDATE CASCADE ON DELETE CASCADE);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that correspond to your MySQL server version for the right syntax to use near 'PDATE CASCADE ON DELETE CASCADE' at line 1

mysql> CREATE TABLE trabaja_en(DniEmpleado INT NOT NULL, NumProy INT NOT NULL, Horas FLOAT, PRIMARY KEY(DniEmpleado, NumProy), FOREIGN KEY(DniEmpleado) REFERENCES Empleado(Dni) ON UPDATE CASCADE ON DELETE CASCADE, FOREIGN KEY(NumProy) REFERENCES Proyecto(NumProyecto) ON UPDATE CASCADE ON DELETE CASCADE);
Query OK, 0 rows affected (0.84 sec)

mysql> DESCRIBE trabaja_en;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| DniEmpleado | int(11) | NO | PRI | NULL | |
| NumProy | int(11) | NO | PRI | NULL | |
| Horas | float | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>

```