

```
C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p
MariaDB [arbol_generacional]> DROP DATABASE arbol_generacional;
Query OK, 0 rows affected (0.077 sec)

MariaDB [(none)]> CREATE DATABASE arbol_generacional;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> USE arbol_generacional;
Database changed
MariaDB [arbol_generacional]> SHOW TABLES;
Empty set (0.001 sec)

MariaDB [arbol_generacional]> CREATE TABLE familia(
-> nombre VARCHAR(20), APELLIDO VARCHAR(20),
-> parentesco VARCHAR(20), sexo VARCHAR(10),
-> nacimiento DATE)
```

```
C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p
MariaDB [arbol_generacional]> SHOW TABLES;
Empty set (0.001 sec)

MariaDB [arbol_generacional]> CREATE TABLE familia(
-> nombre VARCHAR(20), APELLIDO VARCHAR(20),
-> parentesco VARCHAR(20), sexo VARCHAR(10),
-> nacimiento DATE);
Query OK, 0 rows affected (0.277 sec)

MariaDB [arbol_generacional]> SHOW TABLES;
+-----+
| Tables_in_arbol_generacional |
+-----+
| familia                        |
+-----+
1 row in set (0.001 sec)

MariaDB [arbol_generacional]> DESCRIBE familia;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nombre     | varchar(20)   | YES  |     | NULL    |       |
| APELLIDO   | varchar(20)   | YES  |     | NULL    |       |
| parentesco | varchar(20)   | YES  |     | NULL    |       |
| sexo       | varchar(10)   | YES  |     | NULL    |       |
| nacimiento | date          | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.090 sec)

MariaDB [arbol_generacional]>
```

```
C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p

MariaDB [arbol_generacional]> LOAD DATA LOCAL INFILE "familia.txt" INTO TABLE familia;
Query OK, 9 rows affected, 6 warnings (0.075 sec)
Records: 9 Deleted: 0 Skipped: 0 Warnings: 6

MariaDB [arbol_generacional]> INSERT INTO familia
-> ('Milena','Buitrago','prima','f','2000-03-04');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ''Milena','Buitrago','prima','f','2000-03-04')' at line 2
MariaDB [arbol_generacional]> INSERT INTO familia
-> VALUES('Milena','Buitrago','prima','f','2000-03-04');
Query OK, 1 row affected (0.066 sec)

MariaDB [arbol_generacional]> SELECT * FROM familia;
+-----+-----+-----+-----+-----+
| nombre | APELLIDO | parentesco | sexo | nacimiento |
+-----+-----+-----+-----+-----+
| Luz    | Cifuent  | Mama       | f    | 1999-02-04  |
| Jhon   | Barrero  | Tio        | m    | 1998-03-17  |
| David  | Barrero  | Tio        | m    | 1999-05-13  |
| Ines   | Buitrag  | Abuela     | f    | 2000-08-27  |
| Julian | Cifuent  | Hermano    | m    | 1998-08-31  |
| Felipe | Buitrag  | Primo      | m    | 1998-09-11  |
| Harold | Martin   | Papa       | m    | 2000-02-09  |
| Kim    | Segura   | Esposa     | f    | 2001-04-29  |
| Leonor | Collaz   | Abuela     | f    | 2000-01-01  |
| Milena | Buitrago | prima      | f    | 2000-03-04  |
+-----+-----+-----+-----+-----+
10 rows in set (0.000 sec)

MariaDB [arbol_generacional]>
```

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C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p

+-----+-----+-----+-----+-----+
9 rows in set (0.001 sec)

MariaDB [arbol_generacional]> DELETE FROM familia;
Query OK, 9 rows affected (0.087 sec)

MariaDB [arbol_generacional]> SELECT * FROM familia;
Empty set (0.000 sec)

MariaDB [arbol_generacional]> CREATE TABLE familia(
-> nombre VARCHAR(20), APELLIDO VARCHAR(20),
-> parentesco VARCHAR(20), sexo VARCHAR(10),
-> nacimiento DATE, signo VARCHAR(20));
ERROR 1050 (42S01): Table 'familia' already exists
MariaDB [arbol_generacional]> DROP TABLE familia;
Query OK, 0 rows affected (0.298 sec)

MariaDB [arbol_generacional]> CREATE TABLE familia(
-> nombre VARCHAR(20), APELLIDO VARCHAR(20),
-> parentesco VARCHAR(20), sexo VARCHAR(10),
-> nacimiento DATE, signo(20));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(20))' at line 4
MariaDB [arbol_generacional]> CREATE TABLE familia(
-> nombre VARCHAR(20), apellido VARCHAR(20),
-> parentesco VARCHAR(20), sexo VARCHAR(10),
-> nacimiento DATE, signo VARCHAR(20));
Query OK, 0 rows affected (0.270 sec)

MariaDB [arbol_generacional]>
```

```
C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p

+-----+-----+-----+-----+-----+-----+
9 rows in set (0.000 sec)

MariaDB [arbol_generacional]> DELETE FROM familia;
Query OK, 9 rows affected (0.072 sec)

MariaDB [arbol_generacional]> SELECT * FROM familia;
Empty set (0.000 sec)

MariaDB [arbol_generacional]> LOAD DATA LOCAL INFILE "familia.txt" INTO TABLE familia;
Query OK, 9 rows affected, 9 warnings (0.042 sec)
Records: 9 Deleted: 0 Skipped: 0 Warnings: 9

MariaDB [arbol_generacional]> SELECT * FROM familia;
+-----+-----+-----+-----+-----+-----+
| nombre | apellido | parentesco | sexo | nacimiento | signo |
+-----+-----+-----+-----+-----+-----+
| Luz    | Cifuent  | Mama       | f    | 1999-02-04  | TAURO |
| Jhon   | Barrero  | Tio        | m    | 1998-03-17  | PICIS |
| David  | Barrero  | Tio        | m    | 1999-05-13  | CANCER|
| Ines   | Buitrag  | Abuela     | f    | 2000-08-27  | LEO   |
| Julian | Cifuent  | Hermano    | m    | 1998-08-31  | GEMINIS|
| Felipe | Buitrag  | Primo      | m    | 1998-09-11  | CANCER|
| Harold | Martin   | Papa       | m    | 2000-02-09  | TAURO |
| Kim    | Segura   | Esposa     | f    | 2001-04-29  | PICIS |
| Leonor | Collazo  | Abuela     | f    | 2000-01-01  | PICIS |
+-----+-----+-----+-----+-----+-----+
9 rows in set (0.000 sec)

MariaDB [arbol_generacional]>
```

```
C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p

9 rows in set (0.001 sec)

MariaDB [arbol_generacional]> INSERT INTO familia
-> VALUES('Milena','Buitrago','prima','f','2000-03-04','CANCER');
Query OK, 1 row affected (0.169 sec)

MariaDB [arbol_generacional]> SELECT * FROM familia;
+-----+-----+-----+-----+-----+-----+
| nombre | apellido | parentesco | sexo | nacimiento | signo |
+-----+-----+-----+-----+-----+-----+
| Luz    | Cifuent  | Mama       | f    | 1999-02-04  | TAURO |
| Jhon   | Barrero  | Tio        | m    | 1998-03-17  | PICIS |
| David  | Barrero  | Tio        | m    | 1999-05-13  | CANCER|
| Ines   | Buitrag  | Abuela     | f    | 2000-08-27  | LEO   |
| Julian | Cifuent  | Hermano    | m    | 1998-08-31  | GEMINIS|
| Felipe | Buitrag  | Primo      | m    | 1998-09-11  | CANCER|
| Harold | Martin   | Papa       | m    | 2000-02-09  | TAURO |
| Kim    | Segura   | Esposa     | f    | 2001-04-29  | PICIS |
| Leonor | Collazo  | Abuela     | f    | 2000-01-01  | PICIS |
| Milena | Buitrago | prima      | f    | 2000-03-04  | CANCER|
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.000 sec)

MariaDB [arbol_generacional]>
```

MariaDB [arbol\_generacional]> UPDATE familia SET nacimiento="2001-03-05" WHERE nombre="Milena";  
Query OK, 1 row affected (0.148 sec)  
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [arbol\_generacional]> SELECT \* FROM familia;

nombre	apellido	parentesco	sexo	nacimiento	signo
Luz	Cifuent	Mama	f	1999-02-04	TAURO
Jhon	Barrero	Tio	m	1998-03-17	PICIS
David	Barrero	Tio	m	1999-05-13	CANCER
Ines	Buitrag	Abuela	f	2000-08-27	LEO
Julian	Cifuent	Hermano	m	1998-08-31	GEMINIS
Felipe	Buitrag	Primo	m	1998-09-11	CANCER
Harold	Martin	Papa	m	2000-02-09	TAURO
Kim	Segura	Esposa	f	2001-04-29	PICIS
Leonor	Collazo	Abuela	f	2000-01-01	PICIS
Milena	Buitrago	prima	f	2001-03-05	CANCER

10 rows in set (0.000 sec)

MariaDB [arbol\_generacional]>

MariaDB [arbol\_generacional]> SELECT \* FROM familia WHERE nombre="Milena";

nombre	apellido	parentesco	sexo	nacimiento	signo
Milena	Buitrago	prima	f	2001-03-05	CANCER

1 row in set (0.000 sec)

MariaDB [arbol\_generacional]> SELECT \* FROM familia WHERE nacimiento >= "2000-1-1";

nombre	apellido	parentesco	sexo	nacimiento	signo
Ines	Buitrag	Abuela	f	2000-08-27	LEO
Harold	Martin	Papa	m	2000-02-09	TAURO
Kim	Segura	Esposa	f	2001-04-29	PICIS
Leonor	Collazo	Abuela	f	2000-01-01	PICIS
Milena	Buitrago	prima	f	2001-03-05	CANCER

5 rows in set (0.039 sec)

MariaDB [arbol\_generacional]>

MariaDB [arbol\_generacional]> SELECT \* FROM familia WHERE parentesco="abuela" AND sexo="f";

nombre	apellido	parentesco	sexo	nacimiento	signo
Ines	Buitrag	Abuela	f	2000-08-27	LEO
Leonor	Collazo	Abuela	f	2000-01-01	PICIS

2 rows in set (0.000 sec)

```
C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p
MariaDB [arbol_generacional]> SELECT * FROM familia WHERE parentesco = "abuela" OR parentesco = "tio";
+-----+-----+-----+-----+-----+-----+
| nombre | apellido | parentesco | sexo | nacimiento | signo |
+-----+-----+-----+-----+-----+-----+
| Jhon   | Barrero  | Tio        | m    | 1998-03-17  | PICIS |
| David  | Barrero  | Tio        | m    | 1999-05-13  | CANCER|
| Ines   | Buitrag  | Abuela     | f    | 2000-08-27  | LEO    |
| Leonor | Collazo  | Abuela     | f    | 2000-01-01  | PICIS |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [arbol_generacional]> SELECT * FROM familia WHERE (parentesco = "tio" AND sexo = "m")
-> OR (parentesco = "papa" AND sexo = "m");
+-----+-----+-----+-----+-----+-----+
| nombre | apellido | parentesco | sexo | nacimiento | signo |
+-----+-----+-----+-----+-----+-----+
| Jhon   | Barrero  | Tio        | m    | 1998-03-17  | PICIS |
| David  | Barrero  | Tio        | m    | 1999-05-13  | CANCER|
| Harold | Martin   | Papa       | m    | 2000-02-09  | TAURO  |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [arbol_generacional]>
```

```
C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p
ERROR 1146 (42S02): Table 'arbol_generacional.mascotas' doesn't exist
MariaDB [arbol_generacional]> SELECT nombre, nacimiento FROM familia;
+-----+-----+
| nombre | nacimiento |
+-----+-----+
| Luz    | 1999-02-04  |
| Jhon   | 1998-03-17  |
| David  | 1999-05-13  |
| Ines   | 2000-08-27  |
| Julian | 1998-08-31  |
| Felipe | 1998-09-11  |
| Harold | 2000-02-09  |
| Kim    | 2001-04-29  |
| Leonor | 2000-01-01  |
| Milena | 2001-03-05  |
+-----+-----+
10 rows in set (0.000 sec)

MariaDB [arbol_generacional]> SELECT apellido FROM familia;
+-----+
| apellido |
+-----+
| Cifuent  |
| Barrero  |
| Barrero  |
| Buitrag  |
| Cifuent  |
| Buitrag  |
| Martin   |
| Segura   |
+-----+
```

```
C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p
MariaDB [arbol_generacional]> SELECT DISTINCT nombre FROM familia;
+-----+
| nombre |
+-----+
| Luz    |
| Jhon   |
| David  |
| Ines   |
| Julian |
| Felipe |
| Harold |
| Kim    |
| Leonor |
+-----+
10 rows in set (0.050 sec)

MariaDB [arbol_generacional]> APLICACIONES: DE BASES DE DATOS
```

C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p

```
MariaDB [arbol_generacional]> SELECT nombre, signo, nacimiento FROM familia
-> WHERE signo = "cancer" OR signo = "pisis";
+-----+-----+-----+
| nombre | signo | nacimiento |
+-----+-----+-----+
| David  | CANCER | 1999-05-13 |
| Felipe | CANCER | 1998-09-11 |
| Milena | CANCER | 2001-03-05 |
+-----+-----+-----+
3 rows in set (0.001 sec)
```

C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p

```
MariaDB [arbol_generacional]> SELECT nombre, nacimiento FROM familia ORDER BY nacimiento;
+-----+-----+
| nombre | nacimiento |
+-----+-----+
| Jhon    | 1998-03-17 |
| Julian  | 1998-08-31 |
| Felipe  | 1998-09-11 |
| Luz     | 1999-02-04 |
| David   | 1999-05-13 |
| Leonor  | 2000-01-01 |
| Harold  | 2000-02-09 |
| Ines    | 2000-08-27 |
| Milena  | 2001-03-05 |
| Kim     | 2001-04-29 |
+-----+-----+
10 rows in set (0.022 sec)

MariaDB [arbol_generacional]>
```

C:\Windows\System32\cmd.exe - Mysql -h localhost -u root -p

```
MariaDB [arbol_generacional]> SELECT nombre, nacimiento FROM familia ORDER BY nacimiento;
+-----+-----+
| nombre | nacimiento |
+-----+-----+
| Jhon    | 1998-03-17 |
| Julian  | 1998-08-31 |
| Felipe  | 1998-09-11 |
| Luz     | 1999-02-04 |
| David   | 1999-05-13 |
| Leonor  | 2000-01-01 |
| Harold  | 2000-02-09 |
| Ines    | 2000-08-27 |
| Milena  | 2001-03-05 |
| Kim     | 2001-04-29 |
+-----+-----+
10 rows in set (0.022 sec)

MariaDB [arbol_generacional]> SELECT nombre, nacimiento FROM familia ORDER BY
-> nacimiento DESC;
+-----+-----+
| nombre | nacimiento |
+-----+-----+
| Kim     | 2001-04-29 |
| Milena  | 2001-03-05 |
| Ines    | 2000-08-27 |
| Harold  | 2000-02-09 |
| Leonor  | 2000-01-01 |
| David   | 1999-05-13 |
| Luz     | 1999-02-04 |
| Felipe  | 1998-09-11 |
+-----+-----+
```

```
MariaDB [arbol_generacional]> SELECT nombre, sexo, nacimiento FROM familia  
-> ORDER BY sexo, nacimiento DESC;
```

nombre	sexo	nacimiento
Kim	f	2001-04-29
Milena	f	2001-03-05
Ines	f	2000-08-27
Leonor	f	2000-01-01
Luz	f	1999-02-04
Harold	m	2000-02-09
David	m	1999-05-13
Felipe	m	1998-09-11
Julian	m	1998-08-31
Jhon	m	1998-03-17

```
10 rows in set (0.001 sec)
```

```
MariaDB [arbol_generacional]>
```