- CREATE DATABASE árbol;
- USE árbol;
- SHOW TABLES;

```
C:\Users\USUARIO\Desktop\xammp\mysql\bin>Mysql -h localhost -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.22-MariaDB mariadb.org binary distribution

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

MariaDB [(none)]> SELECT
    -> USER(),
    -> CURRENT_DATE;
+----------------+--------------+
| USER()         | CURRENT_DATE |
+----------------+--------------+
| root@localhost | 2022-05-13   |
+----------------+--------------+
1 row in set (0.147 sec)

MariaDB [(none)]> SELECT USER()
    -> ;
+----------------+
| USER()         |
+----------------+
| root@localhost |
+----------------+
1 row in set (0.001 sec)

MariaDB [(none)]> CREATE DATABASE arbol;
Query OK, 1 row affected (0.086 sec)

MariaDB [(none)]> USE arbol;
Database changed
MariaDB [arbol]> SHOW TABLES;
Empty set (0.125 sec)
```

- CREATE TABLE familia(

nombre VARCHAR(20), apellido VARCHAR(20),

deparmento VARCHAR(20), sexo CHAR(1), nacimiento DATE,

fallecimento DATE);

- SHOW TABLES;
- DESCRIBE familia;
- LOAD DATA LOCAL INFILE "familia.txt" INTO TABLE familia;

```
MariaDB [arbol]> CREATE TABLE familia(
    -> nombre VARCHAR(20), apellido VARCHAR(20),
    -> deparmento VARCHAR(20), sexo CHAR(1), nacimiento DATE,
    -> fallecimento DATE);
Query OK, 0 rows affected (0.523 sec)

MariaDB [arbol]> SHOW TABLES;
+-----------------+
| Tables_in_arbol |
+-----------------+
| familia         |
+-----------------+
1 row in set (0.156 sec)

MariaDB [arbol]> DESCRIBE familia;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| nombre       | varchar(20) | YES  |     | NULL    |       |
| apellido     | varchar(20) | YES  |     | NULL    |       |
| deparmento   | varchar(20) | YES  |     | NULL    |       |
| sexo         | char(1)     | YES  |     | NULL    |       |
| nacimiento   | date        | YES  |     | NULL    |       |
| fallecimento | date        | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
6 rows in set (0.074 sec)

MariaDB [arbol]> LOAD DATA LOCAL INFILE "familia.txt" INTO TABLE familia;
Query OK, 9 rows affected, 19 warnings (0.248 sec)
Records: 9  Deleted: 0  Skipped: 0  Warnings: 19
```

- INSERT INTO familia

VALUES('uriel','camberos','cundinamarca','m','2000-03-30',NULL);

```
MariaDB [arbol]> INSERT INTO familia
    -> VALUES('uriel','camberos','cundinamarca','m','2000-03-30',NUL
Query OK, 1 row affected (0.137 sec)
```

- SELECT * FROM familia;

```
MariaDB [arbol]> SELECT * FROM familia;
+--------------------+--------------------+------------------+-------+--------
| nombre             | apellido           | deparmento       | sexo  | nacimi
+--------------------+--------------------+------------------+-------+--------
| oscar              | camberos           | cundinamarca     | m     | 1999-0
| natalia            | rodriguez          | meta             | f     | 1998-0
| oscar              | rodriguez          | meta             | m     | 1999-0
| jaime              | ulloa              | Perro            | c     | 2000-0
| carlos             | rodriguez          | meta             | m     | 1998-0
| flor               | triana             | Ave              | a     | 1998-0
| alejo     martinez | antioquita    m    | 2000-02-09       | n     | 0000-0
| camilo             | camberos           | cundinamarca     | m     | 2001-0
| jhon               | rueda              | meta             | m     | 2000-0
| tata               | ulloa              | cundinamarca     | f     | 1891-0
+--------------------+--------------------+------------------+-------+--------
10 rows in set (0.073 sec)
```

- DELETE FROM familia;

```
MariaDB [arbol]> DELETE FROM familia;
Query OK, 19 rows affected (0.165 sec)

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

- LOAD DATA LOCAL INFILE "familia.txt" INTO TABLE familia;

```
MariaDB [arbol]> LOAD DATA LOCAL INFILE "familia.txt" INTO TABLE familia;
Query OK, 9 rows affected, 19 warnings (0.587 sec)
Records: 9  Deleted: 0  Skipped: 0  Warnings: 19
```

- INSERT INTO familia

VALUES('uriel','camberos','cundinamarca','m','2000-03-30',NULL);

- UPDATE familia SET nacimiento="2000-10-20" WHERE nombre="tata";

- SELECT * FROM familia WHERE nombre="natalia";

- SELECT * FROM familia WHERE nacimiento >= "1990-1-1";

```
MariaDB [arbol]> INSERT INTO familia
    -> VALUES('uriel','camberos','cundinamarca','m','2000-03-30',NULL);
Query OK, 1 row affected (0.137 sec)

MariaDB [arbol]> UPDATE familia SET nacimiento="2000-10-20" WHERE nombre="tata";
Query OK, 0 rows affected (0.066 sec)
Rows matched: 0  Changed: 0  Warnings: 0

MariaDB [arbol]> SELECT * FROM familia WHERE nombre="tata";
Empty set (0.051 sec)

MariaDB [arbol]> SELECT * FROM familia WHERE nombre="natalia";
+---------+----------+-----------+------+------------+-------------+
| nombre  | apellido | deparmento | sexo | nacimiento | fallecimento |
+---------+----------+-----------+------+------------+-------------+
| natalia | rodriguez | meta     | f    | 1998-03-17 | 0000-00-00  |
+---------+----------+-----------+------+------------+-------------+
1 row in set (0.001 sec)

MariaDB [arbol]> SELECT * FROM familia WHERE nacimiento >= "1990-1-1";
+---------+----------+--------------+------+------------+-------------+
| nombre  | apellido | deparmento   | sexo | nacimiento | fallecimento |
+---------+----------+--------------+------+------------+-------------+
| oscar   | camberos | cundinamarca | m    | 1999-02-04 | 0000-00-00  |
| natalia | rodriguez | meta        | f    | 1998-03-17 | 0000-00-00  |
| oscar   | rodriguez | meta        | m    | 1999-05-13 | 0000-00-00  |
| jaime   | ulloa    |              | c    | 2000-08-27 | 0000-00-00  |
| carlos  | rodriguez | meta        | m    | 1998-08-31 | 0000-00-00  |
| flor    | triana   |              | a    | 1998-09-11 | 0000-00-00  |
| camilo  | camberos | cundinamarca | m    | 2001-04-29 | 0000-00-00  |
| jhon    | rueda    | meta        | m    | 2000-01-01 | 0000-00-00  |
| uriel   | camberos | cundinamarca | m    | 2000-03-30 | NULL        |
+---------+----------+--------------+------+------------+-------------+
9 rows in set (0.066 sec)
```

- SELECT * FROM familia WHERE apellido="rodriguez" AND sexo="m";
- SELECT * FROM familia WHERE deparmento = "meta" OR deparmento = "antioquia";

```
MariaDB [arbol]> SELECT * FROM familia WHERE apellido="rodriguez" AND sexo="m";
+---------+-----------+------------+------+------------+-------------+
| nombre  | apellido  | deparmento | sexo | nacimiento | fallecimento |
+---------+-----------+------------+------+------------+-------------+
| oscar   | rodriguez | meta       | m    | 1999-05-13 | 0000-00-00  |
| carlos  | rodriguez | meta       | m    | 1998-08-31 | 0000-00-00  |
+---------+-----------+------------+------+------------+-------------+
2 rows in set (0.089 sec)

MariaDB [arbol]> SELECT * FROM familia WHERE departamento = "meta" OR departamento = "antioquia";
ERROR 1054 (42S22): Unknown column 'departamento' in 'where clause'
MariaDB [arbol]> SELECT * FROM familia WHERE deparmento = "meta" OR deparmento = "antioquia";
+---------+-----------+------------+------+------------+-------------+
| nombre  | apellido  | deparmento | sexo | nacimiento | fallecimento |
+---------+-----------+------------+------+------------+-------------+
| natalia | rodriguez | meta       | f    | 1998-03-17 | 0000-00-00  |
| oscar   | rodriguez | meta       | m    | 1999-05-13 | 0000-00-00  |
| carlos  | rodriguez | meta       | m    | 1998-08-31 | 0000-00-00  |
| jhon    | rueda     | meta       | m    | 2000-01-01 | 0000-00-00  |
+---------+-----------+------------+------+------------+-------------+
4 rows in set (0.001 sec)
```

- SELECT nombre, nacimiento FROM familia;
- SELECT nombre FROM familia;
- SELECT DISTINCT apellido FROM familia;

```
MariaDB [arbol]> SELECT nombre, nacimiento FROM familia;
+------------------------+------------+
| nombre                 | nacimiento |
+------------------------+------------+
| oscar                  | 1999-02-04 |
| natalia                | 1998-03-17 |
| oscar                  | 1999-05-13 |
| jaime                  | 2000-08-27 |
| carlos                 | 1998-08-31 |
| flor                   | 1998-09-11 |
| alejo        martinez  | 0000-00-00 |
| camilo                 | 2001-04-29 |
| jhon                   | 2000-01-01 |
| uriel                  | 2000-03-30 |
+------------------------+------------+
10 rows in set (0.001 sec)

MariaDB [arbol]> SELECT nombre FROM familia;
+------------------------+
| nombre                 |
+------------------------+
| oscar                  |
| natalia                |
| oscar                  |
| jaime                  |
| carlos                 |
| flor                   |
| alejo        martinez  |
| camilo                 |
| jhon                   |
| uriel                  |
+------------------------+
10 rows in set (0.001 sec)

MariaDB [arbol]> SELECT DISTINCT apellido FROM familia;
+----------------+
| apellido       |
+----------------+
| camberos       |
| rodriguez      |
| ulloa          |
| triana         |
| antioquita   m |
| rueda          |
+----------------+
```

- SELECT nombre, apellido, nacimiento FROM familia

WHERE sexo = "f" OR sexo = "m";

```
MariaDB [arbol]> SELECT nombre, apellido, nacimiento FROM familia
    -> WHERE sexo = "f" OR sexo = "m";
+---------+-----------+------------+
| nombre  | apellido  | nacimiento |
+---------+-----------+------------+
| oscar   | camberos  | 1999-02-04 |
| natalia | rodriguez | 1998-03-17 |
| oscar   | rodriguez | 1999-05-13 |
| carlos  | rodriguez | 1998-08-31 |
| camilo  | camberos  | 2001-04-29 |
| jhon    | rueda     | 2000-01-01 |
| uriel   | camberos  | 2000-03-30 |
+---------+-----------+------------+
7 rows in set (0.002 sec)
```

- SELECT nombre, nacimiento FROM familia ORDER BY nacimiento;

```
MariaDB [arbol]> SELECT nombre, nacimiento FROM familia ORDER BY nacimiento;
+-----------------------+------------+
| nombre                | nacimiento |
+-----------------------+------------+
| alejo       martinez  | 0000-00-00 |
| natalia               | 1998-03-17 |
| carlos                | 1998-08-31 |
| flor                  | 1998-09-11 |
| oscar                 | 1999-02-04 |
| oscar                 | 1999-05-13 |
| jhon                  | 2000-01-01 |
| uriel                 | 2000-03-30 |
| jaime                 | 2000-08-27 |
| camilo                | 2001-04-29 |
+-----------------------+------------+
10 rows in set (0.041 sec)
```

- SELECT nombre, nacimiento FROM familia ORDER BY

nacimiento DESC;

```
MariaDB [arbol]> SELECT nombre, nacimiento FROM familia ORDER BY
    -> nacimiento DESC;
+-----------------------+------------+
| nombre                | nacimiento |
+-----------------------+------------+
| camilo                | 2001-04-29 |
| jaime                 | 2000-08-27 |
| uriel                 | 2000-03-30 |
| jhon                  | 2000-01-01 |
| oscar                 | 1999-05-13 |
| oscar                 | 1999-02-04 |
| flor                  | 1998-09-11 |
| carlos                | 1998-08-31 |
| natalia               | 1998-03-17 |
| alejo        martinez | 0000-00-00 |
+-----------------------+------------+
10 rows in set (0.001 sec)
```