

Taller 01: Consultas MySQL

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Aplicación Bases de Datos

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```
MariaDB [(none)]> create database arbol_generacional;
Query OK, 1 row affected (0.003 sec)
```

```
MariaDB [(none)]> use arbol_generacional;
Database changed
```

```
MariaDB [arbol_generacional]> show tables;
Empty set (0.001 sec)
```

```
MariaDB [arbol_generacional]> CREATE TABLE familia (
  -> cedula int(11) NOT NULL,
  -> nombre varchar(20) NOT NULL,
  -> apellido varchar(20) NOT NULL,
  -> sexo char(1) NOT NULL,
  -> nacimiento date NOT NULL,
  -> parentesco varchar(20) NOT NULL,
  -> PRIMARY KEY (cedula)
  -> );
Query OK, 0 rows affected (0.024 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 |
+-----+-----+-----+-----+-----+-----+
| cedula     | int(11)       | NO   | PRI | NULL    |       |
| nombre     | varchar(20)   | NO   |     | NULL    |       |
| apellido   | varchar(20)   | NO   |     | NULL    |       |
| sexo       | char(1)       | NO   |     | NULL    |       |
| nacimiento | date          | NO   |     | NULL    |       |
| parentesco | varchar(20)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.004 sec)
```

```
MariaDB [arbol_generacional]> LOAD DATA LOCAL INFILE "familia.txt" INTO TABLE familia;
Query OK, 8 rows affected (0.015 sec)
Records: 8 Deleted: 0 Skipped: 0 Warnings: 0
```

```
MariaDB [arbol_generacional]> select * from familia;
```

cedula	nombre	apellido	sexo	nacimiento	parentesco
933314	Arturo	Ruiz	M	1965-01-22	Padre
896907	Dora	Mendoza	F	1968-12-01	Madre
57678543	Jeniffer	Ruiz	F	1986-03-12	Hermana
38086	Matias	Ruiz	M	2012-03-13	Hijo
1021876232	Steven	Villarraga	M	2000-05-28	Primo
26254557	Jessica	Ruiz	F	1991-05-08	Hermana
28654234	Juan	Castellanos	M	2013-01-04	Sobrino
30547386	Juana	Pico	F	2008-04-08	Sobrina

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

```
MariaDB [arbol_generacional]> insert into familia
-> value (1010254879, 'Jeisson', 'Osorio', 'M', '1990-04-03', 'Cuñado');
Query OK, 1 row affected (0.002 sec)
```

```
MariaDB [arbol_generacional]> select * from familia;
```

cedula	nombre	apellido	sexo	nacimiento	parentesco
933314	Arturo	Ruiz	M	1965-01-22	Padre
896907	Dora	Mendoza	F	1968-12-01	Madre
57678543	Jeniffer	Ruiz	F	1986-03-12	Hermana
1010254879	Jeisson	Osorio	M	1990-04-03	Cuñado
38086	Matias	Ruiz	M	2012-03-13	Hijo
1021876232	Steven	Villarraga	M	2000-05-28	Primo
26254557	Jessica	Ruiz	F	1991-05-08	Hermana
28654234	Juan	Castellanos	M	2013-01-04	Sobrino
30547386	Juana	Pico	F	2008-04-08	Sobrina

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

```
MariaDB [arbol_generacional]> update familia set nacimiento="2000-03-28" where nombre="Steven";
Query OK, 1 row affected (0.003 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [arbol_generacional]> select * from familia where nombre="Steven";
```

cedula	nombre	apellido	sexo	nacimiento	parentesco
1021876232	Steven	Villarraga	M	2000-03-28	Primo

```
1 row in set (0.001 sec)
```

```
MariaDB [arbol_generacional]> select * from familia where nacimiento >= "1999-12-31";
```

cedula	nombre	apellido	sexo	nacimiento	parentesco
38086	Matias	Ruiz	M	2012-03-13	Hijo
1021876232	Steven	Villarraga	M	2000-03-28	Primo
28654234	Juan	Castellanos	M	2013-01-04	Sobrino
30547386	Juana	Pico	F	2008-04-08	Sobrino

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

```
MariaDB [arbol_generacional]> select cedula, nombre, parentesco from familia where apellido="Ruiz" and sexo="M";
```

cedula	nombre	parentesco
933314	Arturo	Padre
38086	Matias	Hijo

```
2 rows in set (0.002 sec)
```

```
MariaDB [arbol_generacional]> select cedula, nombre, parentesco from familia where apellido="Ruiz" or sexo="M";
```

cedula	nombre	parentesco
933314	Arturo	Padre
57678543	Jeniffer	Hermana
57894251	Miguel	Cuñado
1010254879	Jeisson	Cuñado
38086	Matias	Hijo
1021876232	Steven	Primo
26254557	Jessica	Hermana
28654234	Juan	Sobrino

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

```
MariaDB [arbol_generacional]> select cedula, nombre, parentesco from familia order by nombre;
```

cedula	nombre	parentesco
933314	Arturo	Padre
896907	Dora	Madre
1010254879	Jeisson	Cuñado
57678543	Jeniffer	Hermana
26254557	Jessica	Hermana
28654234	Juan	Sobrino
30547386	Juana	Sobrino
38086	Matias	Hijo
57894251	Miguel	Cuñado
1021876232	Steven	Primo

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

```
MariaDB [arbol_generacional]> select cedula, nombre, parentesco from familia order by nombre desc;
```

```
+-----+-----+-----+
| cedula | nombre | parentesco |
+-----+-----+-----+
| 1021876232 | Steven | Primo |
| 38086 | Matias | Hijo |
| 30547386 | Juana | Sobrina |
| 28654234 | Juan | Sobrino |
| 26254557 | Jessica | Hermana |
| 57678543 | Jeni | Hermana |
| 896907 | Dora | Madre |
| 333140 | Arturo | Padre |
+-----+-----+-----+
8 rows in set (0.041 sec)
```

```
MariaDB [arbol_generacional]> select cedula, nombre, parentesco from familia order by nombre, parentesco desc;
```

```
+-----+-----+-----+
| cedula | nombre | parentesco |
+-----+-----+-----+
| 333140 | Arturo | Padre |
| 896907 | Dora | Madre |
| 57678543 | Jeni | Hermana |
| 26254557 | Jessica | Hermana |
| 28654234 | Juan | Sobrino |
| 30547386 | Juana | Sobrina |
| 38086 | Matias | Hijo |
| 1021876232 | Steven | Primo |
+-----+-----+-----+
8 rows in set (0.001 sec)
```

```
MariaDB [arbol_generacional]> select distinct apellido from familia;
```

```
+-----+
| apellido |
+-----+
| Mendoza |
| Ruiz |
| Villarraga |
| Castellanos |
| Pico |
+-----+
5 rows in set (0.003 sec)
```