

MySQL/MariaDB

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CREATE DATABASE

```
Your MariaDB connection id is 5
Server version: 10.6.12-MariaDB MariaDB Server

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Ab and others.

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

MariaDB [(none)]> CREATE DATABASE banco_de_dados;
Query OK, 1 row affected (0.028 sec)
```

IF NOT EXISTS

```
MariaDB [(none)]> CREATE DATABASE IF NOT EXISTS banco_
de_dados;
Query OK, 0 rows affected, 1 warning (0.000 sec)
```

SHOW DATABASES

```
MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| banco_de_dados |
| compraiz |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
6 rows in set (0.000 sec)
```

DROP DATABASE

```
MariaDB [(none)]> DROP DATABASE banco_de_dados;  
Query OK, 0 rows affected (0.054 sec)
```

CREATE TABLE

```
MariaDB [banco_de_dados]> CREATE TABLE employees(  
  -> id integer NOT NULL,  
  -> nome_completo VARCHAR(100) NOT NULL,  
  -> telefone VARCHAR(25) NOT NULL,  
  -> email VARCHAR(50) NOT NULL)  
  -> ;  
Query OK, 0 rows affected (0.032 sec)
```

SHOW TABLES

```
MariaDB [banco_de_dados]> SHOW tables  
  -> ;  
+-----+  
| Tables_in_banco_de_dados |  
+-----+  
| employees                  |  
+-----+  
1 row in set (0.000 sec)
```

CREATE TABLE IF NOT EXISTS

```
MariaDB [banco_de_dados]> CREATE TABLE IF NOT E  
XISTS employees (ID integer NOT NULL, nome VARC  
HAR(50) NOT NULL, sobrenome VARCHAR(50) NOT NUL  
L, ddd INT(2) NOT NULL, telefone VARCHAR(9) NOT  
NULL, data_nasc DATE NOT NULL, email VARCHAR(5  
0) NULL);  
Query OK, 0 rows affected (0.058 sec)
```

ALTER TABLE / DESCRIBE

```
MariaDB [banco_de_dados]> ALTER TABLE employees
-> ADD data_contrato DATE NOT NULL AFTER email;
Query OK, 0 rows affected (0.058 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [banco_de_dados]> DESCRIBE employees;
```

Field	Type	Null	Key	Default	Extra
ID	int(11)	NO		NULL	
nome	varchar(50)	NO		NULL	
sobrenome	varchar(50)	NO		NULL	
ddd	int(2)	NO		NULL	
telefone	varchar(9)	NO		NULL	
data_nasc	date	NO		NULL	
email	varchar(50)	YES		NULL	
data_contrato	date	NO		NULL	

8 rows in set (0.008 sec)

ALTER TABLE

```
MariaDB [banco_de_dados]> ALTER TABLE employees
-> CHANGE telefone telefone varchar(50) NOT NULL;
Query OK, 0 rows affected (0.021 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [banco_de_dados]> ALTER TABLE employees
->
-> CHANGE telefone fone VARCHAR(9) NOT NULL;
Stage: 2 of 2 'Enabling keys' 0% of stage
ery OK, 0 rows affected (0.087 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

INSERT INTO

```
MariaDB [banco_de_dados]> INSERT INTO employees(ID, nome, sobrenome, ddd, fone, data_nasc, email, data_contrato)
-> VALUES (1, 'Felipe', 'Angelo', 27, 99999999, '2005-05-13', 'contato@gmail.com.br', '2026-05-13');
Query OK, 1 row affected (0.009 sec)
```

SELECT

Database changed

```
MariaDB [banco_de_dados]> SELECT * FROM employees;
```

ID	nome	sobrenome	ddd	fone	data_nasc	email	data_contrato
1	Felipe	Angelo	27	99999999	2005-05-13	contato@gmail.com.br	2026-05-13
2	Bruno	Santos	11	999999	2000-12-22	contato@dominio.com	2030-12-01
3	João	Silva	11	988887777	1990-01-01	joao.silva@gmail.com	2022-01-01
4	Maria	Ferreira	21	977776666	1995-05-20	maria.ferreira@hotmail.com	2023-01-01
4	Maria	Ferreira	21	977776666	1995-05-20	maria.ferreira@hotmail.com	2023-01-01
5	Pedro	Souza	11	988886666	1987-12-10	pedro.souza@gmail.com	2022-05-01
6	Fernanda	Almeida	31	966665555	1998-07-15	fernanda.almeida@gmail.com	2024-01-01
7	Carlos	Oliveira	21	944443333	1991-03-05	carlos.oliveira@yahoo.com	2022-12-01
8	Mariana	Santos	11	988885555	1989-08-23	mariana.santos@gmail.com	2021-06-01
9	Rafael	Barbosa	41	955552222	1994-11-30	rafael.barbosa@hotmail.com	2023-05-01
10	Aline	Ribeiro	11	988884444	1996-06-12	aline.ribeiro@gmail.com	2022-03-01

11 rows in set (0.000 sec)

UPDATE

```
MariaDB [banco_de_dados]> UPDATE employees SET ID= 5,nome='João',sobrenome='Pereira', fone= '012348587', email='jopereira@gmail.com' WHERE ID = 4;
Query OK, 2 rows affected (0.027 sec)
Rows matched: 2 Changed: 2 Warnings: 0
```

DELETE

```
MariaDB [banco_de_dados]> SELECT * FROM employees;
```

ID	nome	sobrenome	ddd	fone	data_nasc	email	data_contrato
1	Felipe	Angelo	27	99999999	2005-05-13	contato@gmail.com.br	2026-05-13
2	Bruno	Santos	11	999999	2000-12-22	contato@dominio.com	2030-12-01
3	João	Silva	11	988887777	1990-01-01	joao.silva@gmail.com	2022-01-01
5	João	Pereira	21	012348587	1995-05-20	jopereira@gmail.com	2023-01-01
5	João	Pereira	21	012348587	1995-05-20	jopereira@gmail.com	2023-01-01
5	Pedro	Souza	11	988886666	1987-12-10	pedro.souza@gmail.com	2022-05-01
6	Fernanda	Almeida	31	966665555	1998-07-15	fernanda.almeida@gmail.com	2024-01-01
7	Carlos	Oliveira	21	944443333	1991-03-05	carlos.oliveira@yahoo.com	2022-12-01
8	Mariana	Santos	11	988885555	1989-08-23	mariana.santos@gmail.com	2021-06-01
9	Rafael	Barbosa	41	955552222	1994-11-30	rafael.barbosa@hotmail.com	2023-05-01
10	Aline	Ribeiro	11	988884444	1996-06-12	aline.ribeiro@gmail.com	2022-03-01

11 rows in set (0.001 sec)

```
MariaDB [banco_de_dados]> DELETE FROM employees WHERE ID=5;
Query OK, 3 rows affected (0.040 sec)
```

SELECT

```
MariaDB [banco_de_dados]> SELECT nome, sobrenome FROM employees WHERE nome='Bruno';
```

```
+-----+-----+
| nome  | sobrenome |
+-----+-----+
| Bruno | Santos    |
+-----+-----+
1 row in set (0.000 sec)
```

```
MariaDB [banco_de_dados]> SELECT ALL sobrenome FROM employees;
```

```
+-----+
| sobrenome |
+-----+
| Angelo    |
| Santos    |
| Silva     |
| Almeida   |
| Oliveira  |
| Santos    |
| Barbosa    |
| Ribeiro   |
+-----+
8 rows in set (0.000 sec)
```

```
MariaDB [banco_de_dados]> SELECT nome,sobrenome FROM employees WHERE ID<> 1;
```

nome	sobrenome
Bruno	Santos
João	Silva
Fernanda	Almeida
Carlos	Oliveira
Mariana	Santos
Rafael	Barbosa
Aline	Ribeiro

7 rows in set (0.000 sec)

```
MariaDB [banco_de_dados]> SELECT DISTINCT sobrenome FROM employees;
```

sobrenome
Angelo
Santos
Silva
Almeida
Oliveira
Barbosa
Ribeiro

7 rows in set (0.000 sec)

ORDER BY

```
MariaDB [banco_de_dados]> SELECT nome FROM employees ORDER BY
  nome DESC;
+-----+
| nome  |
+-----+
| Rafael
| Mariana
| João
| Fernanda
| Felipe
| Carlos
| Bruno
| Aline
+-----+
8 rows in set (0.018 sec)
```

LIMIT

```
MariaDB [banco_de_dados]> SELECT * FROM employees LIMIT 3,1;
+-----+-----+-----+-----+-----+-----+-----+-----+
| ID | nome  | sobrenome | ddd | fone      | data_nasc | email                                     | data_contrato |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 6  | Fernanda | Almeida  | 31  | 96665555 | 1998-07-15 | fernanda.almeida@gmail.com | 2024-01-01    |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.000 sec)
```

LIKE

```
MariaDB [banco_de_dados]> SELECT nome FROM employees WHERE nome LIKE 'B%';
+-----+
| nome  |
+-----+
| Bruno |
+-----+
1 row in set (0.000 sec)
```

```
MariaDB [banco_de_dados]> SELECT nome FROM employees WHERE nome LIKE '_a%';
+-----+
| nome  |
+-----+
| Carlos
| Mariana
| Rafael
+-----+
3 rows in set (0.000 sec)
```

```
MariaDB [banco_de_dados]> █
```

```
MariaDB [banco_de_dados]> SELECT nome FROM employees WHERE nome LIKE '%o';
+-----+
| nome  |
+-----+
| Bruno |
| João  |
+-----+
2 rows in set (0.000 sec)
```

LEFT

```
MariaDB [banco_de_dados]> SELECT LEFT(nome,3) FROM employees;
```

```
+-----+  
| LEFT(nome,3) |  
+-----+  
| Fel          |  
| Bru          |  
| João         |  
| Fer          |  
| Car          |  
| Mar          |  
| Raf          |  
| Ali          |  
+-----+
```

8 rows in set (0.001 sec)

```
MariaDB [banco_de_dados]> SELECT RIGHT(nome,4) FROM employees;
```

```
+-----+  
| RIGHT(nome,4) |  
+-----+  
| lipe          |  
| runo          |  
| João         |  
| anda          |  
| rlos          |  
| iana          |  
| fael          |  
| line          |  
+-----+
```

8 rows in set (0.000 sec)