

## INSERT AND SELECT

```
MariaDB [DML]> INSERT INTO customers (first_name, last_name, email_address, number_of_complaints)
-> VALUES ('John', 'Doe', 'johndoe@example.com', 0);
Query OK, 1 row affected (0.015 sec)

MariaDB [DML]> SELECT * FROM customers;
+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | email_address | number_of_complaints |
+-----+-----+-----+-----+-----+
|          1007 | John      | Doe       | johndoe@example.com | 0 |
+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

## UPDATE

```
MariaDB [DML]> UPDATE customers set first_name = 'Johny' where customer_id = 1007;
Query OK, 1 row affected (0.015 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [DML]> SELECT * FROM customers;
+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | email_address | number_of_complaints |
+-----+-----+-----+-----+-----+
|          1007 | Johny     | Doe       | johndoe@example.com | 0 |
+-----+-----+-----+-----+-----+
1 row in set (0.000 sec)
```

## DELETE

```
MariaDB [DML]> DELETE FROM customers where number_of_complaints = 0;
Query OK, 1 row affected (0.016 sec)
```

## CASCADE

```
MariaDB [DML]> ALTER TABLE sales
-> ADD CONSTRAINT fk_sales_customer FOREIGN KEY (customer_id)
-> REFERENCES customers(customer_id)
-> ON DELETE CASCADE
-> ON UPDATE CASCADE;
```

```
Query OK, 6 rows affected (0.079 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

```
MariaDB [DML]> DESC customers;
```

Field	Type	Null	Key	Default	Extra
customer_id	int(10)	NO	PRI	NULL	auto_increment
first_name	varchar(50)	NO		NULL	
last_name	varchar(50)	NO		NULL	
email_address	varchar(50)	NO		NULL	
number_of_complaints	int(5)	NO		NULL	

```
5 rows in set (0.023 sec)
```

```
MariaDB [DML]> desc sales;
```

Field	Type	Null	Key	Default	Extra
purchase_number	int(10)	NO	PRI	NULL	
order_id	int(10)	NO	PRI	NULL	
date_of_purchase	date	YES		NULL	
customer_id	int(10)	YES	MUL	NULL	