

Insert and select

```
MariaDB [dbSalvo]> INSERT INTO customers (customer_id, first_name, last_name, email_address, number_of_complaints) values
-> (101, 'Desiree', 'Rodriguez', 'Desireerodriguez@gmail.com', 2),
-> (102, 'Judie', 'Rodriguez', 'Judierodriguez@gmail.com', 3),
-> (103, 'Ladylyn', 'Rodriguez', 'Ladylynrodriguez@gmail.com', 4),
-> (104, 'Joel', 'Rodriguez', 'Joelrodriguez@gmail.com', 5);
Query OK, 4 rows affected (0.006 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
MariaDB [dbSalvo]> select * from customers;
```

customer_id	first_name	last_name	email_address	number_of_complaints
101	Desiree	Rodriguez	Desireerodriguez@gmail.com	2
102	Judie	Rodriguez	Judierodriguez@gmail.com	3
103	Ladylyn	Rodriguez	Ladylynrodriguez@gmail.com	4
104	Joel	Rodriguez	Joelrodriguez@gmail.com	5

4 rows in set (0.000 sec)

Update

```
MariaDB [dbSalvo]> update customers set first_name = 'Judiemary' where customer_id = 102;
Query OK, 1 row affected (0.004 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [dbSalvo]> select * from customers;
```

customer_id	first_name	last_name	email_address	number_of_complaints
101	Desiree	Rodriguez	Desireerodriguez@gmail.com	2
102	Judiemary	Rodriguez	Judierodriguez@gmail.com	3
103	Ladylyn	Rodriguez	Ladylynrodriguez@gmail.com	4
104	Joel	Rodriguez	Joelrodriguez@gmail.com	5

4 rows in set (0.000 sec)

Delete

```
MariaDB [dbSalvo]> delete from customers where customer_id = 104;
Query OK, 1 row affected (0.003 sec)
```

```
MariaDB [dbSalvo]> select * from customers;
```

customer_id	first_name	last_name	email_address	number_of_complaints
101	Desiree	Rodriguez	Desireerodriguez@gmail.com	2
102	Judiemary	Rodriguez	Judierodriguez@gmail.com	3
103	Ladylyn	Rodriguez	Ladylynrodriguez@gmail.com	4

3 rows in set (0.000 sec)

Cascade

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

```
Query OK, 0 rows affected (0.044 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [dbSalvo]> desc customer;
ERROR 1146 (42S02): Table 'dbsalvo.customer' doesn't exist
MariaDB [dbSalvo]> 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 (0.007 sec)
```

```
MariaDB [dbSalvo]> 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	

```
4 rows in set (0.007 sec)
```