

```
mysql> UPDATE CLIENTES SET APELLIDO = 'Carvajal' WHERE APELLIDO = 'Lopez';  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> SELECT * FROM CLIENTES WHERE FECHA_REGISTRO <= '2024-05-14';  
Empty set (0.01 sec)
```

NOMBRE	APELLIDO	ID	EMAIL	TELEFONO	cantidadCompras	direccion	fecha_registro
Juan	Martínez	2156	jez@example.com	5876543			
1	av 12	2024-05-14	01:20:02				
José	Carvajal	3486	jpez@example.com	5557823			
1	av 180	2024-05-14	01:20:02				
María	García	4586	marcia@example.com	5534567			
1	calle 180	2024-05-14	01:20:02				
Ana	Hernández	4846	ana.ez@example.com	5556789			
1	calle 82	2024-05-14	01:20:02				
Carlos	Rodríguez	5568	cdriguez@example.com	5345678			
1	calle 82b	2024-05-14	01:20:02				
Sofía	González	6651	onzalez@example.com	5501234			
1	cra 15	2024-05-14	01:20:02				
Pedro	Díaz	8467	pe@example.com	5554567			
1	cra 18	2024-05-14	01:20:02				
Miguel	Pérez	9768	migre@example.com	5559012			
1	cort 12	2024-05-14	01:20:02				
Elena	Fernández	10668	elena@example.com	5551234			
1	ave 666	2024-05-14	01:20:02				
Laura	Sánchez	45638	lnchez@example.com	5589012			
2	ave 667	2024-05-14	01:20:02				
10 rows in set (0.01 sec)							

```
mysql> select * from ventas;
```

VENTA_ID	CLIENTE_ID	NOMBRE_PRODUCTO	FECHA	CANTIDAD	PRECIO_TOTAL
1	2156	Laptop	2024-05-01	2	1799.98
2	3486	Teléfono	2024-05-02	3	1499.97
3	4586	Tablet	2024-05-03	1	299.99
4	4846	Impresor	2024-05-04	4	799.96
5	5568	Teclado	2024-05-05	2	99.98
6	6651	Mouse	2024-05-06	5	99.95
7	8467	Auricular	2024-05-07	3	239.97
8	9768	Monitor	2024-05-08	1	249.99
9	10668	Router	2024-05-09	2	259.98
10	45638	Cámara	2024-05-10	1	349.99

```
10 rows in set (0.01 sec)
```

```
mysql> |
```

```
mysql> select nombre from proveedores;
```

nombre
SmartSystems
Solutions S.A.
GlobalTrade.
InnovaTech.
EcoProducts
StarSoft
FirstClass
AlphaTech
BrightIdeas
GlobalTech

```
10 rows in set (0.01 sec)
```

```
mysql> |
```

```
mysql> DELETE FROM CLIENTES WHERE ID = 5886;  
Query OK, 1 row affected (0.03 sec)
```

mysql> select * from ventas where fecha between 2024-05-07 and 2024-05-14;
Empty set, 2 warnings (0.00 sec)

mysql> select * from ventas where fecha between '2024-05-07' and curdate();

VENTA_ID	CLIENTE_ID	NOMBRE_PRODUCTO	FECHA	CANTIDAD	PRECIO_TOTAL
7	8467	Auricular	2024-05-07	3	239.97
8	9768	Monitor	2024-05-08	1	249.99
9	10668	Router	2024-05-09	2	259.98
10	45638	Cámara	2024-05-10	1	349.99

4 rows in set (0.00 sec)

```
cal , cantidadcompras from clientes -- el cliente 1
mysql> select nombre as cliente_mas_frecuente, cantidadCompras as cantidad_
compras from clientes where cantidadcompras = (select max(cantidadCompras)
from clientes);
+-----+-----+
| cliente_mas_frecuente | cantidad_compras |
+-----+-----+
| Laura                 | 2                |
+-----+-----+
1 row in set (0.00 sec)
```


10 rows in set (0.00 sec)

mysql> SELECT * FROM CLIENTES;

NOMBRE	APELLIDO	ID	EMAIL	TELEFONO	cantidadCompras	direccion	fecha_registro
Juan	Martínez	2156	jez@example.com	5876543			
1	av 12	2024-05-14	01:20:02				
José	López	3486	jpez@example.com	5557823			
1	av 180	2024-05-14	01:20:02				
María	García	4586	marcia@example.com	5534567			
1	calle 180	2024-05-14	01:20:02				
Ana	Hernández	4846	ana.ez@example.com	5556789		1 calle 82	2024-05-14 01:20:02
Carlos	Rodríguez	5568	cdriguez@example.com	5345678			
1	calle 82b	2024-05-14	01:20:02				
Mario	García	5886	marci0@example.com	5534567			
NULL	NULL	2024-05-14	02:01:00				
Sofía	González	6651	onzalez@example.com	5501234			
1	cra 15	2024-05-14	01:20:02				
Pedro	Díaz	8467	pe@example.com	5554567			
1	cra 18	2024-05-14	01:20:02				
Miguel	Pérez	9768	migrez@example.com	5559012			
1	cort 12	2024-05-14	01:20:02				
Elena	Fernández	10668	elena@example.com	5551234			
1	ave 666	2024-05-14	01:20:02				
Laura	Sánchez	45638	lnchez@example.com	5589012			
2	ave 667	2024-05-14	01:20:02				

11 rows in set (0.00 sec)

```
mysql> #insertar ventas
mysql> INSERT INTO VENTAS (VENTA_ID, CLIENTE_ID, NOMBRE_PRODUCTO, FECHA , CANTIDAD, PRECIO_TOTAL) VALUES
-> (1, '2156', 'Laptop', '2024-05-01', 2, 1799.98),
-> (2, '3486', 'Teléfono', '2024-05-02', 3, 1499.97),
-> (3, '4586', 'Tablet', '2024-05-03', 1, 299.99),
-> (4, '4846', 'Impresor', '2024-05-04', 4, 799.96),
-> (5, '5568', 'Teclado', '2024-05-05', 2, 99.98),
-> (6, '6651', 'Mouse', '2024-05-06', 5, 99.95),
-> (7, '8467', 'Auricular', '2024-05-07', 3, 239.97),
-> (8, '9768', 'Monitor', '2024-05-08', 1, 249.99),
-> (9, '10668', 'Router', '2024-05-09', 2, 259.98),
-> (10, '45638', 'Cámara', '2024-05-10', 1, 349.99);
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

```
mysql> SHOW TRIGGERS;
```

Trigger	Event	Table Timing	Statement Created	sql_mode Definer	character_set_client	collation_connection	Database Collation
actualizar_stock	INSERT	ventas	BEGIN UPDATE productos SET Stock = Stock - NEW.cantidad WHERE nombre = NEW.nombre_producto; END AFTER 2024-05-13 23:11:23.00 ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION	root@localhost utf8mb4 utf8mb4_0900_ai_ci utf8mb4_0900_ai_ci			
actualizar_compras	INSERT	ventas	begin update clientes set cantidadCompras = cantidadCompras + 1 where id = NEW.CLIENTE_ID; END AFTER 2024-05-14 00:35:12.60 ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION	root@localhost utf8mb4 utf8mb4_0900_ai_ci utf8mb4_0900_ai_ci			

```
2 rows in set (0.01 sec)
```

```
mysql>
```

select * from ventas where fecha = curdate() -- at line 1

```
mysql> select * from ventas where fecha = curdate();
Empty set (0.01 sec)
```

```
mysql> select * from ventas where fecha < curdate();
```

VENTA_ID	CLIENTE_ID	NOMBRE_PRODUCTO	FECHA	CANTIDAD	PRECIO_TOTAL
1	2156	Laptop	2024-05-01	2	1799.98
2	3486	Teléfono	2024-05-02	3	1499.97
3	4586	Tablet	2024-05-03	1	299.99
4	4846	Impresor	2024-05-04	4	799.96
5	5568	Teclado	2024-05-05	2	99.98
6	6651	Mouse	2024-05-06	5	99.95
7	8467	Auricular	2024-05-07	3	239.97
8	9768	Monitor	2024-05-08	1	249.99
9	10668	Router	2024-05-09	2	259.98
10	45638	Cámara	2024-05-10	1	349.99

10 rows in set (0.00 sec)

```
mysql> |
```

```
mysql> INSERT INTO CLIENTES (NOMBRE, APELLIDO, ID, EMAIL, TELEFONO) VALUES  
( 'Marío', 'Garcío', 5886, 'marci0@example.com', 5534567);  
Query OK, 1 row affected (0.02 sec)
```

```
mysql> select * from ventas where fecha between '2024-05-07' and curdate();
```

VENTA_ID	CLIENTE_ID	NOMBRE_PRODUCTO	FECHA	CANTIDAD	PRECIO_TOTAL
7	8467	Auricular	2024-05-07	3	239.97
8	9768	Monitor	2024-05-08	1	249.99
9	10668	Router	2024-05-09	2	259.98
10	45638	Cámara	2024-05-10	1	349.99

```
4 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM PRODUCTOS;
```

NOMBRE	PRECIO	STOCK	ID_PROVEEDOR
Auricular	79.99	57	6810
Cámara	349.99	33	9010
Impresor	199.99	26	3010
Laptop	899.99	46	1001
Monitor	249.99	39	7010
Mouse	19.99	115	5510
Router	129.99	23	8010
Tablet	299.99	73	2010
Teclado	49.99	78	4010
Teléfono	499.99	94	1020

```
10 rows in set (0.00 sec)
```

```
mysql> |
```

```
mysql> select sum(precio_total) as ingresos_totales from ventas;
+-----+
| ingresos_totales |
+-----+
|          5699.76 |
+-----+
1 row in set (0.01 sec)
```



```
mysql> SELECT NOMBRE FROM CLIENTES WHERE NOMBRE = 'CARLOS';
```

```
+-----+
```

```
| NOMBRE |
```

```
+-----+
```

```
| Carlos |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> |
```

SELECT * FROM VENTAS; -- Line 1

mysql> SELECT * FROM VENTAS;

VENTA_ID	CLIENTE_ID	NOMBRE_PRODUCTO	FECHA	CANTIDAD	PRECIO_TOTAL
1	2156	Laptop	2024-05-01	2	1799.98
2	3486	Teléfono	2024-05-02	3	1499.97
3	4586	Tablet	2024-05-03	1	299.99
4	4846	Impresor	2024-05-04	4	799.96
5	5568	Teclado	2024-05-05	2	99.98
6	6651	Mouse	2024-05-06	5	99.95
7	8467	Auricular	2024-05-07	3	239.97
8	9768	Monitor	2024-05-08	1	249.99
9	10668	Router	2024-05-09	2	259.98
10	45638	Cámara	2024-05-10	1	349.99

10 rows in set (0.00 sec)

```
mysql> select * from ventas where fecha between date_sub(curdate(), interval 30 day) and curdate();
```

VENTA_ID	CLIENTE_ID	NOMBRE_PRODUCTO	FECHA	CANTIDAD	PRECIO_TOTAL
1	2156	Laptop	2024-05-01	2	1799.98
2	3486	Teléfono	2024-05-02	3	1499.97
3	4586	Tablet	2024-05-03	1	299.99
4	4846	Impresor	2024-05-04	4	799.96
5	5568	Teclado	2024-05-05	2	99.98
6	6651	Mouse	2024-05-06	5	99.95
7	8467	Auricular	2024-05-07	3	239.97
8	9768	Monitor	2024-05-08	1	249.99
9	10668	Router	2024-05-09	2	259.98
10	45638	Cámara	2024-05-10	1	349.99

10 rows in set (0.00 sec)

```
mysql> SELECT * FROM CLIENTES;
```

	NOMBRE	APELLIDO	ID	EMAIL	TELEFONO	cantidadCompras	direccion	fecha_registro
1	Juan	Martínez	2156	jez@example.com	5876543	1	av 12	2024-05-14 01:20:02
1	José	Carvajal	3486	jpez@example.com	5557823	1	av 180	2024-05-14 01:20:02
1	María	García	4586	marcia@example.com	5534567	1	calle 180	2024-05-14 01:20:02
1	Ana	Hernández	4846	ana.ez@example.com	5556789	1	calle 82	2024-05-14 01:20:02
1	Carlos	Rodríguez	5568	cdriguez@example.com	5345678	1	calle 82b	2024-05-14 01:20:02
1	Sofía	González	6651	onzalez@example.com	5501234	1	cra 15	2024-05-14 01:20:02
1	Pedro	Díaz	8467	pe@example.com	5554567	1	cra 18	2024-05-14 01:20:02
1	Miguel	Pérez	9768	migrez@example.com	5559012	1	cort 12	2024-05-14 01:20:02
1	Elena	Fernández	10668	elena@example.com	5551234	1	ave 666	2024-05-14 01:20:02
2	Laura	Sánchez	45638	lnchez@example.com	5589012	2	ave 667	2024-05-14 01:20:02

```
10 rows in set (0.00 sec)
```