TRIGGER 1

```
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                           | PLATAFORM      | STOCK |
+------------+------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                          | PS4            |    50 |
|          2 | ZELDA: BREATH OF THE WILD                       | NINTENDO SWITCH |   28 |
|          3 | HALO 5                                          | XBOX ONE       |    28 |
|          4 | SUPER SMASH BROS. ULTIMATE                      | NINTENDO SWITCH |   48 |
|          5 | PERSONA 5                                       | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE |    24 |
+------------+------------------------------------------------+----------------+-------+

mysql> INSERT INTO SALES_DESCRIPTION(ID_DESCRIPTION_SALES,FK_ID_PRODUCT,STOCK) VALUES (1,1,1);
Query OK, 1 row affected (0.05 sec)

mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                           | PLATAFORM      | STOCK |
+------------+------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                          | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                       | NINTENDO SWITCH |   28 |
|          3 | HALO 5                                          | XBOX ONE       |    28 |
|          4 | SUPER SMASH BROS. ULTIMATE                      | NINTENDO SWITCH |   48 |
|          5 | PERSONA 5                                       | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE |    24 |
+------------+------------------------------------------------+----------------+-------+
6 rows in set (0.00 sec)
```

TRIGGER 2

```
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                           | PLATAFORM      | STOCK |
+------------+------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                          | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                       | NINTENDO SWITCH |   28 |
|          3 | HALO 5                                          | XBOX ONE       |    28 |
|          4 | SUPER SMASH BROS. ULTIMATE                      | NINTENDO SWITCH |   48 |
|          5 | PERSONA 5                                       | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE |    24 |
+------------+------------------------------------------------+----------------+-------+

mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                           | PLATAFORM      | STOCK |
+------------+------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                          | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                       | NINTENDO SWITCH |   40 |
|          3 | HALO 5                                          | XBOX ONE       |    28 |
|          4 | SUPER SMASH BROS. ULTIMATE                      | NINTENDO SWITCH |   48 |
|          5 | PERSONA 5                                       | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE |    24 |
+------------+------------------------------------------------+----------------+-------+
6 rows in set (0.00 sec)
```

TRIGGER 3

```
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+---------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                              | PLATAFORM      | STOCK |
+------------+---------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                            | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                         | NINTENDO SWITCH|    40 |
|          3 | HALO 5                                            | XBOX ONE       |    28 |
|          4 | SUPER SMASH BROS. ULTIMATE                        | NINTENDO SWITCH|    48 |
|          5 | PERSONA 5                                         | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE    |    24 |
+------------+---------------------------------------------------+----------------+-------+
6 rows in set (0.00 sec)

mysql> INSERT INTO SALES DESCRIPTION(ID DESCRIPTION SALES,FK ID PRODUCT,STOCK) VALUES (2,3,26);
ERROR 1643 (02000): ATENCION! QUEDAN 2 UNIDADES DE ESTE PRODUCTO
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+---------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                              | PLATAFORM      | STOCK |
+------------+---------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                            | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                         | NINTENDO SWITCH|    40 |
|          3 | HALO 5                                            | XBOX ONE       |     2 |
|          4 | SUPER SMASH BROS. ULTIMATE                        | NINTENDO SWITCH|    48 |
|          5 | PERSONA 5                                         | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE    |    24 |
+------------+---------------------------------------------------+----------------+-------+
6 rows in set (0.00 sec)
```

TRIGGER 4

```
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+---------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                              | PLATAFORM      | STOCK |
+------------+---------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                            | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                         | NINTENDO SWITCH|    40 |
|          3 | HALO 5                                            | XBOX ONE       |     2 |
|          4 | SUPER SMASH BROS. ULTIMATE                        | NINTENDO SWITCH|    48 |
|          5 | PERSONA 5                                         | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE    |    24 |
+------------+---------------------------------------------------+----------------+-------+
6 rows in set (0.00 sec)

mysql> INSERT INTO SALES DESCRIPTION(ID DESCRIPTION_SALES,FK_ID_PRODUCT,STOCK) VALUES (3,3,3);
ERROR 1644 (45000): SOLO HAY 2 UNIDADES
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+---------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                              | PLATAFORM      | STOCK |
+------------+---------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                            | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                         | NINTENDO SWITCH|    40 |
|          3 | HALO 5                                            | XBOX ONE       |     2 |
|          4 | SUPER SMASH BROS. ULTIMATE                        | NINTENDO SWITCH|    48 |
|          5 | PERSONA 5                                         | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE    |    24 |
+------------+---------------------------------------------------+----------------+-------+
```

```
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+------------------------------------------------+-----------------+-------+
| ID_PRODUCT | NAME                                           | PLATAFORM       | STOCK |
+------------+------------------------------------------------+-----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                          | PS4             |    49 |
|          2 | ZELDA: BREATH OF THE WILD                       | NINTENDO SWITCH |    40 |
|          3 | HALO 5                                          | XBOX ONE        |     0 |
|          4 | SUPER SMASH BROS. ULTIMATE                      | NINTENDO SWITCH |    48 |
|          5 | PERSONA 5                                       | PS4             |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE  |    24 |
+------------+------------------------------------------------+-----------------+-------+
6 rows in set (0.00 sec)

mysql> INSERT INTO SALES_DESCRIPTION(ID_DESCRIPTION_SALES,FK_ID_PRODUCT,STOCK) VALUES (5,3,1);
ERROR 1644 (45000): ATENCION! NO HAY UNIDADES DE ESTE PRODUCTO EN EL INVENTARIO
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
```

PROCEDIMIENTO 1

```
mysql> INSERT INTO SALES(DATE_SALE,SUB_TOTAL,TOTAL,FK_ID_EMPLOYEE,FK_ID_DESCRIPTION_SALES) VALUES (NOW(),779.74,857.714,'EMP02',2);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM SALES;
+---------+---------------------+-----------+---------+----------------+-------------------------+
| ID_SALE | DATE_SALE           | SUB_TOTAL | TOTAL   | FK_ID_EMPLOYEE | FK_ID_DESCRIPTION_SALES |
+---------+---------------------+-----------+---------+----------------+-------------------------+
|       1 | 2019-03-19 20:30:19 |    779.74 | 857.714 | EMP02          |                       2 |
+---------+---------------------+-----------+---------+----------------+-------------------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM SALES_DESCRIPTION;
+----------------------+---------------+-------+
| ID_DESCRIPTION_SALES | FK_ID_PRODUCT | STOCK |
+----------------------+---------------+-------+
|                    1 |             1 |     1 |
|                    2 |             3 |    26 |
|                    4 |             3 |     2 |
+----------------------+---------------+-------+
3 rows in set (0.00 sec)

mysql> CALL SP_CANCEL_SP(1);
ERROR 1305 (42000): PROCEDURE inventory_vg.SP_CANCEL_SP does not exist
mysql> CALL SP_SALE_CANCEL(1);
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT * FROM SALES_DESCRIPTION;
+----------------------+---------------+-------+
| ID_DESCRIPTION_SALES | FK_ID_PRODUCT | STOCK |
+----------------------+---------------+-------+
|                    1 |             1 |     1 |
|                    4 |             3 |     2 |
+----------------------+---------------+-------+
2 rows in set (0.00 sec)

mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+------------------------------------------------+-----------------+-------+
| ID_PRODUCT | NAME                                           | PLATAFORM       | STOCK |
+------------+------------------------------------------------+-----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                          | PS4             |    49 |
|          2 | ZELDA: BREATH OF THE WILD                       | NINTENDO SWITCH |    40 |
|          3 | HALO 5                                          | XBOX ONE        |    26 |
|          4 | SUPER SMASH BROS. ULTIMATE                      | NINTENDO SWITCH |    48 |
|          5 | PERSONA 5                                       | PS4             |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE  |    24 |
+------------+------------------------------------------------+-----------------+-------+
6 rows in set (0.00 sec)
```

PROCEDIMIENTO 2

```
mysql> INSERT INTO PURCHASES(DATE_PURCHASE,TOTAL,FK_ID_DESCRIPTION_PURCHASE) VALUES (NOW(),29.99,1);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM PURCHASES;
+-------------+---------------------+-------+----------------------------+
| ID_PURCHASE | DATE_PURCHASE       | TOTAL | FK_ID_DESCRIPTION_PURCHASE |
+-------------+---------------------+-------+----------------------------+
|           1 | 2019-03-19 20:42:47 | 29.99 |                          1 |
+-------------+---------------------+-------+----------------------------+
```

```
mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                           | PLATAFORM      | STOCK |
+------------+------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                          | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                       | NINTENDO SWITCH |   40 |
|          3 | HALO 5                                          | XBOX ONE       |    26 |
|          4 | SUPER SMASH BROS. ULTIMATE                      | NINTENDO SWITCH |   48 |
|          5 | PERSONA 5                                       | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE |    24 |
+------------+------------------------------------------------+----------------+-------+
6 rows in set (0.00 sec)

mysql> CALL SP_PURCHASE_CANCEL(1);
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT ID_PRODUCT,NAME,PLATAFORM,STOCK FROM PRODUCTS;
+------------+------------------------------------------------+----------------+-------+
| ID_PRODUCT | NAME                                           | PLATAFORM      | STOCK |
+------------+------------------------------------------------+----------------+-------+
|          1 | RESIDENT EVIL 2 REMAKE                          | PS4            |    49 |
|          2 | ZELDA: BREATH OF THE WILD                       | NINTENDO SWITCH |   28 |
|          3 | HALO 5                                          | XBOX ONE       |    26 |
|          4 | SUPER SMASH BROS. ULTIMATE                      | NINTENDO SWITCH |   48 |
|          5 | PERSONA 5                                       | PS4            |    49 |
|          6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE |    24 |
+------------+------------------------------------------------+----------------+-------+
6 rows in set (0.00 sec)
```

VISTAS

```
mysql> SELECT * FROM JUEGOS_MAS_VENDIDOS;
+----+------------------------+----------------+--------+
| id | videojuego             | plataforma     | ventas |
+----+------------------------+----------------+--------+
|  1 | RESIDENT EVIL 2 REMAKE | PS4            |      4 |
|  2 | ZELDA: BREATH OF THE WILD | NINTENDO SWITCH |   1 |
|  3 | HALO 5                 | XBOX ONE       |      1 |
|  4 | SUPER SMASH BROS. ULTIMATE | NINTENDO SWITCH | 1 |
|  5 | PERSONA 5              | PS4            |      1 |
+----+------------------------+----------------+--------+
5 rows in set (0.04 sec)

mysql> SELECT * FROM JUEGOS_MENOS_VENDIDOS;
+----+------------------------+----------------+--------+
| id | videojuego             | plataforma     | ventas |
+----+------------------------+----------------+--------+
|  5 | PERSONA 5              | PS4            |      1 |
|  4 | SUPER SMASH BROS. ULTIMATE | NINTENDO SWITCH | 1 |
|  3 | HALO 5                 | XBOX ONE       |      1 |
|  2 | ZELDA: BREATH OF THE WILD | NINTENDO SWITCH |   1 |
|  1 | RESIDENT EVIL 2 REMAKE | PS4            |      4 |
+----+------------------------+----------------+--------+
5 rows in set, 1 warning (0.00 sec)

mysql> SELECT * FROM PRODUCTOS_MENOS_VENDIDOS;
+----+-----------------------------------------------------+------------+--------+
| id | videojuego                                          | plataforma | ventas |
+----+-----------------------------------------------------+------------+--------+
|  6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE  |      1 |
+----+-----------------------------------------------------+------------+--------+
1 row in set, 1 warning (0.00 sec)

mysql> SELECT * FROM PRODUCTOS_MAS_VENDIDOS;
+----+-----------------------------------------------------+------------+--------+
| id | videojuego                                          | plataforma | ventas |
+----+-----------------------------------------------------+------------+--------+
|  6 | Xbox Wireless Controller - Sport Red Special Edition | XBOX ONE  |      1 |
+----+-----------------------------------------------------+------------+--------+
1 row in set, 1 warning (0.00 sec)
```

```
mysql> SELECT * FROM HISTORAL_PROVEEDORES;
+------------+------------------------+----------+-------+--------+------------------+---------------------+
| ID_PRODUCT | NAME                   | PLATAFORM | STOCK | TOTAL  | SUPPLIER         | DATE_PURCHASE       |
+------------+------------------------+----------+-------+--------+------------------+---------------------+
|          5 | PERSONA 5              | PS4      |    15 | 449.85 | ATLUS INC U.S.A. | 2019-03-19 21:30:34 |
|          1 | RESIDENT EVIL 2 REMAKE | PS4      |    15 | 449.85 | Capcom U.S.A., Inc. | 2019-03-19 21:32:03 |
+------------+------------------------+----------+-------+--------+------------------+---------------------+
2 rows in set (0.03 sec)
```

FUNCTION 1 Y 2

```
mysql> INSERT INTO SALES(DATE_SALE, SUB_TOTAL,TOTAL,FK_ID_EMPLOYEE,FK_ID_DESCRIPTION_SALES) VALUES (NOW(),
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM SALES;
+---------+---------------------+-----------+--------+----------------+-------------------------+
| ID_SALE | DATE_SALE           | SUB_TOTAL | TOTAL  | FK_ID_EMPLOYEE | FK_ID_DESCRIPTION_SALES |
+---------+---------------------+-----------+--------+----------------+-------------------------+
|       2 | 2019-03-19 21:12:37 |     49.99 |  54.99 | EMP02          |                       8 |
|       3 | 2019-03-19 21:13:33 |    119.98 | 131.98 | EMP02          |                       9 |
+---------+---------------------+-----------+--------+----------------+-------------------------+
2 rows in set (0.00 sec)

mysql>
```

FUNCTION 3

```
mysql> SELECT TOTAL_DESCUENTO(SUBTOTAL_SALE(1));
+-----------------------------------+
| TOTAL_DESCUENTO(SUBTOTAL_SALE(1)) |
+-----------------------------------+
|                             98.98 |
+-----------------------------------+
1 row in set (0.00 sec)

mysql> SELECT SUBTOTAL_SALE(1);
+------------------+
| SUBTOTAL_SALE(1) |
+------------------+
|           109.98 |
+------------------+
1 row in set (0.00 sec)
```

VISTA EMPLEADOMES

```
[MariaDB [inventory_vg]> select * from empleadoMes;
+-------------+--------+
| empleadoMes | ventas |
+-------------+--------+
| EMP02       |      1 |
+-------------+--------+
1 row in set (0.01 sec)
```

PROCEDIMIENTO IVA

```
[MariaDB [inventory_vg]> select * from sales;
+---------+---------------------+-----------+----------+---------------+------------------------+
| ID_SALE | DATE_SALE           | SUB_TOTAL | TOTAL    | FK_ID_EMPLOYEE | FK_ID_DESCRIPTION_SALES |
+---------+---------------------+-----------+----------+---------------+------------------------+
|       1 | 2019-03-18 14:31:40 |    109.98 | 127.5768 | EMP02         |                      1 |
+---------+---------------------+-----------+----------+---------------+------------------------+
1 row in set (0.00 sec)
```