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Practica 1

```
mysql> CREATE DATABASE base_ejemplo;
Query OK, 1 row affected (0.08 sec)
 mysql> USE base_ejemplo;
Database changed
mysql> CREATE TABLE productos (
    -> id INT NOT NULL AUTO_INCREMENT,
    -> nombre VARCHAR(20) NOT NULL,
    -> coste FLOAT NOT NULL DEFAULT 0.0,
    -> precio FLOAT NOT NULL DEFAULT 0.0,
    -> PRIMARY KEY(id)
    -> ):
     ->
-> );
 Query OK, O rows affected (0.39 sec)
 mysql> INSERT INTO productos (nombre, coste, precio) VALUES ('Producto A', 4, 8), ('Producto B', 2, 4),('Produc
to C', 40, 80);
Query OK, 3 rows affected (0.16 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> use base_ejemplo;
Database changed
mysql> DELIMITER $$
mysql> SHOW TABLES
-> $$
 | Tables_in_base_ejemplo |
 productos
 1 row in set (0.00 sec)
 mysql> CREATE TRIGGER actualizarPrecioProducto BEFORE UPDATE ON productos FOR EACH ROW
   -> BEGIN IF NEW.coste <> OLD.coste THEN SET NEW.precio = NEW.coste * 2; END IF;
   -> END $$
 Query OK, O rows affected (0.10 sec)
 mysql> DELIMITER ;
mysql> CREATE TRIGGER actualizarPrecioProducto BEFORE UPDATE ON productos FOR EACH ROW
   Query OK, O rows affected (0.10 sec)
mysql> DELIMITER
mysql> SELECT*FROM productos;
   id | nombre | coste | precio |
   1 | Producto A | 4 | 8 |
2 | Producto B | 2 | 4 |
   2 | Producto B | 2 |
3 | Producto C | 40 |
                                               80
3 rows in set (0.00 sec)
mysql> UPDATE productos SET coste = 5 WHERE id = 1;
Query OK, 1 row affected (0.18 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> SELECT*FROM productos;
   id | nombre
                       | coste | precio |
    1 | Producto A |
                                                10
          Producto B
   3 | Producto C | 40 |
                                                80
3 rows in set (0.00 sec)
```

Practica 2

Practica 3

Before Update Trigger:

```
mysql> create database Before_Update_Trigger;
Query OK, 1 row affected (0.07 sec)
Query OK, O rows affected (0.30 sec)
mysql> insert into customer values (1000, "Fanny", 7000);insert into customer values (1001, "Peter", 12000);
Query OK, 1 row affected (0.11 sec)
Query OK, 1 row affected (0.10 sec)
mysql> DELIMITER $$
mysql> create trigger update_cus
                                                  before update on customer
                                                                                              for each row
                                                                                                                                      insert into m
                                                                                                                       begin
mysql> DELIMITER $$
mysql> create trigger update_cus before update on customer
ini_statement values (old.acc_no, old.avail_balance); end $$
Query OK, 0 rows affected (0.03 sec)
                                                                                                                                       insert into m
                                                                                               for each row
                                                                                                                       begin
mysql> delimiter ;
mysql> update customer set avail_balance = avail_balance + 3000 where acc_no = 1001;update customer set avail_b
alance = avail_balance + 3000 where acc_no = 1000;
Query OK, 1 row affected (0.08 sec)
Rows matched: 1 Changed: 1 Warnings: 0
Query OK, 1 row affected (0.14 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select *from mini_statement;
  acc_no | avail_balance
```

7000

2 rows in set (0.00 sec)

mysq1>

After Update Trigger:

Before Insert Trigger

```
mysql> CREATE DATABASE Before_Insert_Trigger;
Query OK, 1 row affected (0.06 sec)

mysql> USE Before_Insert_Trigger;
Database changed
mysql> create table contacts (contact_id INT (11) NOT NULL AUTO_INCREMENT,
ame VARCHAR (30) NOT NULL, first_name VARCHAR (25),
TE, created_by VARCHAR(30),
ARY KEY (contact_id));
Query OK, 0 rows affected (0.70 sec)

mysql> DELIMITER //
mysql> create trigger contacts_before_insert before insert on contacts for each row
begin DECLARE vUser varchar(50); select USER() into vUser; SET N
EW.created_date = SYSDATE();
Query OK, 0 rows affected (0.23 sec)

mysql> DELIMITER;
mysql> DELIMITER;
mysql> DELIMITER;
mysql> insert into contacts values (1, "Newton", "Enigma", str_to_date ("19-08-199)
```

After Insert Trigger:

1Before Delete Trigger:

2After Delete Trigger:

3 Before Insert Trigger:

4After Insert Trigger:

6 After Delete Trigger