



## INSTITUTO TECNOLÓGICO SUPERIOR DE JEREZ

Jerez de García Salinas 15 de Noviembre del 2019

## "Ingeniería en Sistemas Computacionales"

Materia: Taller de Base de Datos

Quinto Semestre

Actividad 2: "Practica Triggers"



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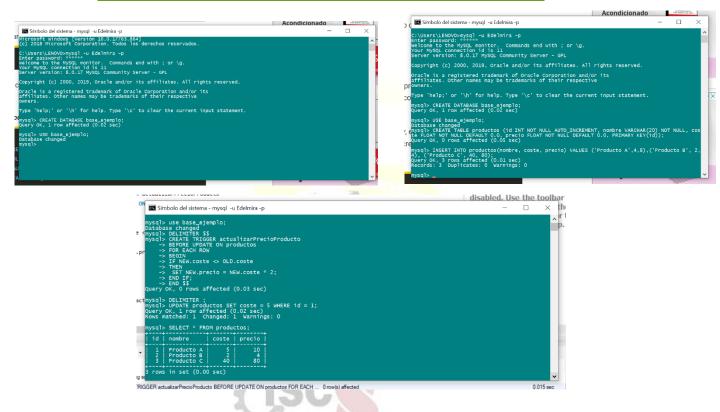




## Practica TRIGGERS

Realizar las practicas que se muestran en lo siguientes enlaces:

1. <a href="https://www.neoguias.com/como-crear-y-utilizar-triggers-en-mysql/">https://www.neoguias.com/como-crear-y-utilizar-triggers-en-mysql/</a>



2. https://examples.javacodegeeks.com/core-java/sql/mysql-triggers-tutorial/

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3. <a href="https://www.geeksforgeeks.org/different-types-of-mysql-triggers-with-examples/">https://www.geeksforgeeks.org/different-types-of-mysql-triggers-with-examples/</a>

## 1. Before Update Trigger

2. After Update Trigger

3. Before Insert Trigger

4. After Insert Trigger

```
mysal? Screate table contacts_2 (contact_id int (11) NOT NULL AUTO_INCREMENT, last_name VARCHAR(30) NOT NULL, first_name VARCHAR(30) NOT NULL, first_name VARCHAR(25), birthday DATE, CONSTRAINT contacts_DR PRIMARY KEV (contact_id));
Query Ox, 0 rows affected (0.03 sec)

mysal? Create table contacts_audit (contact_id integer, created_date date, created_by varchar (30));

all-query Ox, 0 rows affected (0.03 sec)

mysal? DELINUTRA //
mysal? CRAITE RINGER

- AFTER INSERT

- AFTER INSERT

- NO contacts_2 FOR EACH ROW
- SECIN

- SECIN REVISERT

- NO contacts_1 Tro Query ox, 0 rows affected (0.04 sec)

mysal? DELINUTRA:

mysal? DELINUTRA:

mysal? DELINUTRA:

limpsal? insert into contacts_audit (contact_id,created_date,created_by) VALUES(NEW.contact_id, curdate(),vUser_2 );

- END //

rea Query Ox, 0 rows affected (0.04 sec)

mysal? DELINUTRA:

limpsal? insert into contacts values (1, "Kumar", "Rupesh", str_to_date("20-06-1999", "%d-%m-%Y"));

mysal? insert into contacts_2 values (1, "Kumar", "Rupesh", str_to_date("20-06-1999", "%d-%m-%Y"));

query Ox, 1 row affected (0.03 sec)

mysal? SELECT * FROM contacts_audit;

put | contact_id | created_date | created_by |

1 | 2019-11-18 | Edelmira@localhost |

1 row in set (0.00 sec)

mysal?
```

5. Before Delete Trigger

```
Simbolo del sistema - mysql - u Edelmira-p

Trow in set (0.00 sec)

Lysql>, create table contacts_4 (contact_id int (11) NOT NULL AUTO_INGEMENT, last_name VARCHAR (30) NOT NULL, first_name
Lysql>, create table contacts_4 (contact_id int (11) NOT NULL AUTO_INGEMENT, last_name VARCHAR (30) NOT NULL, first_name
Lysql>, birthday DATE, created_by VARCHAR (30), CONSTRAINT contacts_pk PRIMARY KEV (contact_id

mysql> create table contacts_audit_3 (contact_id integer, deleted_date date, deleted_by varchar(20));

mysql> create table contacts_audit_3 (contact_id integer, deleted_date date, deleted_by varchar(20));

mysql> create table contacts_after_delete

- set_or integer = Not contacts_after_delete_delete

- set_or integer = Not contacts_after_delete_delete_delete_delete

- set_or integer = Not contacts_after_delete_delete_delete_delete_delete_delete_delete_delete_delete_delete_delete_delete
```

6. After Delete Trigger

```
Simbolo del sistema - mysql -u Edelmira - p

1 row in set (0.00 sec)

Simbolo del sistema - mysql -u Edelmira - p

1 row in set (0.00 sec)

Simbolo del sistema - mysql -u Edelmira - p

1 row in set (0.00 sec)

Simbolo del sistema - mysql -u Edelmira - p

1 row in set (0.00 sec)

Simbolo del sistema - mysql -u Edelmira - p

1 varchar (25), birthday DATE, created_date DATE, created_by VARCHAR (30), CONSTRAINT contacts_dk PRIMARY KEY (contact_id log);

Query OK, 0 rows affected (0.09 sec)

Mysql> create table contacts_audit_3 (contact_id integer, deleted_date date, deleted_by varchar(20));

Query OK, 0 rows affected (0.09 sec)

PSELIVITER /

Mysql> create table contacts_after_delete

- NO contacts_4 FOR EACH ROW
- EGIN THE DELETE

- NO contacts_4 FOR EACH ROW
- EGIN EVER - A varchar(50);
- DELECT USER() into vuser_4;
- NEELECT U
```

