## Triggers-

Triggers are **stored procedures** which have been **triggered** or enforced on **action of a particular event.** 

#### Events can be

INSERT: Trigger fires when a new record is inserted into the table.

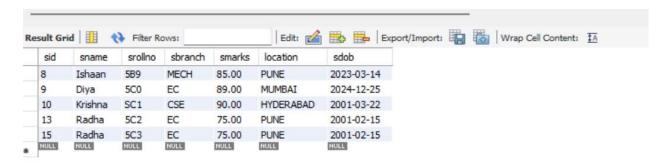
UPDATE: Trigger fires when an existing record is updated.

DELETE: Trigger fires when a record is deleted from the table.

## **Trigger-1 -Before Insert**

```
create trigger t1
before insert on students
for each row
set new.smarks=new.smarks+5;
insert into students (sname, srollno, sbranch, smarks, location, sdob) values ('Radha', 'SC3', 'EC', 70, 'PUNE', '2001-02-15');
```

## **Output-**



## **Trigger-2-After Insert**

```
create table finalMarks(marks decimal(5,2));
create trigger store_marks
after insert on students
for each row
insert into finalMarks(marks) values(new.smarks);

insert into students (sname,srollno,sbranch,smarks,location,sdob) values ('Gopal','5C4','EC',80,'PUNE','2001-02-15');
```



# **Trigger-3-Before update**

```
DELIMITER //
  create trigger t4
 before update on students
  for each row
begin
 if new.sname='krishna' then
  signal sqlstate '45000' set message_text='no update possible';
  end;
  11
  DELIMITER ;
 DELIMITER //
 create trigger t9
 after update on students
 for each row
begin
) if new.sname='krishna' then
 signal sqlstate '45000' set message_text='no update possible';
- END IF;
- END;
 11
 DELIMITER ;
```

```
SET SQL_SAFE_UPDATES = 0;
update students set smarks=98 where sname='krishna';
```

