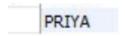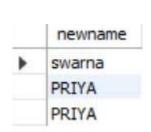# EXPERIMENT 10

TRIGGERS

Aim:

- Create a table with attribute sname, and another table with newname.
- Create a trigger to insert into second table before inserting in first table.
- Create a table for account details with attributes account number and an amount.
- Create a trigger to check if amount is negative or greater than zero before inserting to table.

```
 1  create table test_2(sname varchar(20));
 2  create table test_audit_2(newname varchar(20));
 3  create trigger before_test_1update
 4      before insert on test
 5      for each row
 6  insert into test_audit
 7  set newname = new.sname;
 8  insert into test values("PRIYA");
 9  select *from test;
10  select *from test_audit;
11
12  create table account_details(accno int, amount int);
13  delimiter //
14  create trigger account_trigger BEFORE insert on account_details
15      for each row
16      begin
16      begin
17          if (new.amount<0) then
18              set new.amount=0;
19          elseif (new.amount>100) then
20              set new.amount=100;
21          end if;
22      end; //
23  delimiter ;
24
25  insert into account_details values(10,-5);
26  insert into account_details values(20,100);
27  insert into account_details values(30,200);
28  insert into account_details values(40,-10);
29  insert into account_details values(50,500);
30  select *from account_details;
```

OUTPUT:

PRIYA

	newname
▶	swarna
	PRIYA
	PRIYA

Result Grid

	accno	amount
▶	10	0
	20	100
	30	100
	40	0
	50	100

Components:

• A trigger is a special type of stored procedure thatautomatically runs when an event occurs the databaseserve

• Instance: It is the collection of information stored in a database at a particular moment.

• Entity: Object that is relevant to given system. Represented as rectangle.

• Attribute: Trait of an entity, relationship or other attribute.Represented by oval.