**Trigger and Cursor**

**Aim**:Write a program to implement cursor

**Code**:

create database lib1;

use lib1;

create table library (book\_shelf\_no int(10),book\_category varchar(10),book\_name varchar(20));

insert into library values(11,'science','algebra');

insert into library values(12,'science','Data Mining');

insert into library values(21,'comic','New Avengers');

insert into library values(22,'comic','Spiderman');

insert into library values(31,'drama','romeo and juliet');

insert into library values(32,'drama','hamlet');

select \* from library;

drop table book\_by\_order;

drop table library;

create table book\_by\_order(C\_book\_shelf int (10),C\_book\_name varchar(20),C\_book\_category varchar(20));

call book\_details2();

select \* from bnew\_employeeook\_by\_order;

**Cursor code:**

CREATE DEFINER=`root`@`localhost` PROCEDURE `book\_details2`()

BEGIN

declare C\_book\_shelf int(10);

declare C\_book\_name varchar(20);

declare C\_book\_category varchar(10);

declare C\_finished integer default 0;

declare C1 cursor for select book\_shelf\_no,book\_category,book\_name from library;

declare continue handler for NOT FOUND set C\_finished=1;

open C1;

book\_details2:loop

if C\_finished =1 then

leave book\_details2;

end if;

if C\_finished =0 then

Fetch from C1 into C\_book\_shelf,C\_book\_category,C\_book\_name;

if C\_book\_category='comic' then

insert into book\_by\_order values(C\_book\_shelf,C\_book\_name,C\_book\_category);

end if;

end if;

end loop;

close C1;

END

**Aim**:Write a program to implement trigger

**Code**:

Create database college\_employee;

drop database college\_employee;

use college\_employee;

drop table new\_employee;

create table new\_employee(emp\_id int(10),emp\_name varchar(20),emp\_department varchar(20));

insert into new\_employee values(100,'jasmin','MCA');

insert into new\_employee values(101,'HHHHH','CS');

drop table department\_CS;

create table department\_MCA(dept\_id int(10),Dept\_name varchar(20),dept\_employee varchar(20));

select \* from new\_employee;

select \* from department\_MCA;

insert into new\_employee values(105,'jjjjj','MCA');

drop trigger emp\_details;

insert into new\_employee values(111,'sssssh','MCA');

insert into new\_employee values(2222,'thushara','CS');

create table department\_CS(dept\_id int(10),Dept\_name varchar(20),dept\_employee varchar(20));

select \* from department\_CS;

**trigger code:**

CREATE DEFINER=`root`@`localhost` TRIGGER `college\_employee`.`new\_employee\_AFTER\_INSERT` AFTER INSERT ON `new\_employee` FOR EACH ROW

BEGIN

if(new.emp\_department='MCA') then

insert into department\_MCA set

dept\_id=new.emp\_id,dept\_name=new.emp\_name,dept\_employee="Asst.Prof filled";

end if;

if(new.emp\_department='CS') then

insert into department\_CS set

dept\_id=new.emp\_id,dept\_name=new.emp\_name,dept\_employee="Asst.Prof filled";

end if;

END