**13/04/2022**

**Q1)Write a program to implement trigger.**

**CODE**

create database dwany;

use dwany;

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

create table mca\_dept(emp\_id int(10),emp\_name varchar(20),mca\_dept varchar(20));

create table cs\_dept(emp\_id int(10),emp\_name varchar(20),cs\_dept varchar(20));

insert into new\_employee values(1,"dwany","MCA");

insert into new\_employee values(2,"anil","CS");

insert into new\_employee values(1,"Anika","MCA");

insert into new\_employee values(2,"Malavika","CS");

select \* from new\_employee;

select \* from mca\_dept;

select \* from cs\_dept;

**TRIGGER**

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

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

insert into mca\_dept set

emp\_id=new.emp\_id,emp\_name=new.emp\_name,mca\_dept="Asst.Prof filled";

end if;

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

insert into cs\_dept set

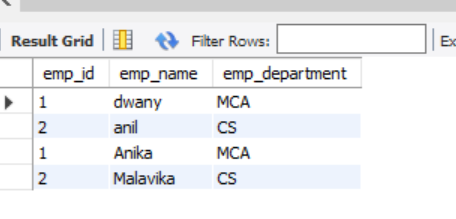
emp\_id=new.emp\_id,emp\_name=new.emp\_name,cs\_dept="Asst.Prof filled";

end if;

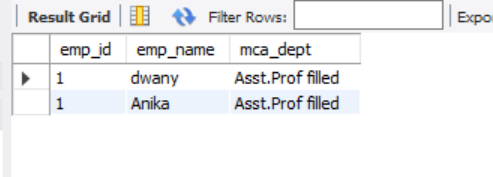
END

**OUTPUT**

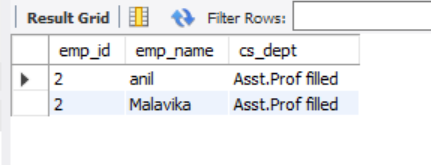
new\_employee TABLE



mca\_dept TABLE



cs\_dept TABLE



**Q2) Write a program to implement cursor.**

**CODE**

create database college;

use college;

create table library (shelf\_no int(10),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');

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

select \* from library;

drop table book\_by\_order;

drop table library;

call book\_details();

select \* from book\_by\_order;

**cursor code**

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

BEGIN

declare book\_shelf int(10);

declare bookname varchar(20);

declare book\_category varchar(10);

declare C\_finished integer default 0;

declare C1 cursor for select shelf\_no,category,book\_name from library;

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

open C1;

book\_details:loop

if C\_finished =1 then

leave book\_details;

end if;

if C\_finished =0 then

Fetch from C1 into book\_shelf,book\_category,bookname;

if book\_category='comic' then

insert into book\_by\_order values(book\_shelf,bookname,book\_category);

end if;

end if;

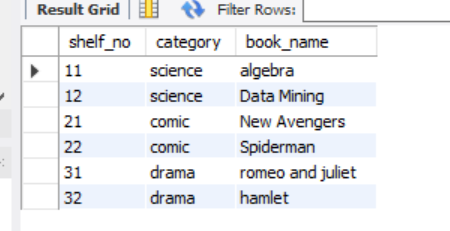
end loop;

close C1;

END

**OUTPUT**

Library table



Book\_by\_order Table

