END MODULE DATABASE

use library;

#Q1

create table books(

book\_id int primary key,

title VARCHAR(45),

author VARCHAR(45),

publication\_year INT,

price DECIMAL(10,0)

);

select \* from books;

#insert value into the table

insert into books(book\_id,title,author,publication\_year,price)

values(101,'The story of my life','Hellen Killer',2001,100),(102,'Gullivers Travells','XYZ',2002,150),

(103,'Chanakyaniti','Chanakya',1700,200);

select title from books where book\_id = 102;

#change the information of specific book

update books

set title = 'the new world',

author = 'XYZ',

publication\_year = 1798,

price = 300

where book\_id = 103;

#delete book record

delete from books where book\_id=103;

#Q2

select \* from employees;

CREATE TABLE employees(

emp\_id int primary key,

emp\_name varchar(50) not null,

emp\_salary decimal(10,2),

emp\_department varchar(50),

emp\_join\_date date

);

#Insert

delimiter //

create trigger insert\_employee\_trigger

before insert on employees

for each row

begin

set new.emp\_join\_date = curdate();

end //

delimiter ;

insert into employees(emp\_id,emp\_name,emp\_salary,emp\_department)

values(101,'Devashish',50000.50,'IT');

insert into employees(emp\_id,emp\_name,emp\_salary,emp\_department)

values(102,'Kshitij',40000.50,'IT'),(103,'Ashwin',30000.50,'Finance'),(104,'Pranav',30000.50,'HR'),(106,'Shubham',30000.50,'Technical');

#update

delimiter //

create trigger update\_employee\_trigger

before insert on employees

for each row

begin

if emp\_salary = new.emp\_salary then

set new.emp\_join\_date = curdate();

end if;

end //

delimiter ;

update employees set emp\_id = 105

where emp\_id = 106;

#delete

delimiter //

create trigger delete\_employee\_trigger

before delete on employees

for each row

begin

insert into delete\_employee\_log (emp\_id,emp\_name,emp\_salary,emp\_department,emp\_join\_date,date\_of\_deletation)

values (old.emp\_id,old.emp\_name,old.emp\_salary,old.emp\_department,old.emp\_join\_date,curdate());

end //

delimiter ;

create table delete\_employee\_log(

emp\_id int primary key,

emp\_name varchar(50) not null,

emp\_salary decimal(10,2),

emp\_department varchar(50),

emp\_join\_date date,

date\_of\_deletation date

);

delete from employees where emp\_id = 104;

select \* from delete\_employee\_log;

select \* from employees;