Name: Shubham Chemate

Roll Number: 31118

Subject: DBSL Lab – Assignment 07 – Triggers

Code:

create table library\_table (

    id int primary key not null,

    title varchar(300) not null,

    author varchar(300) not null,

    price int not null

);

create table audit\_table (

    id int not null,

    title varchar(300) not null,

    author varchar(300) not null,

    price int not null,

    action varchar(300) not null,

    changed\_at timestamp default now()

);

insert into library\_table

values (1, 'Babylon', 'Clason', 190),

(2, 'Rich Dad', 'R Kiyo', 230),

(3, '7 Habits', 'Nepo Hill', 400),

(4, 'Room 105', 'C Bhagat', 130),

(5, 'Ice and Fire', 'GR Martin', 800),

(6, 'LOTR', 'Tolkin', 900);

delimiter $$

create trigger delete\_trig after delete

on library\_table

for each row

insert into audit\_table

values (OLD.id, OLD.title, OLD.author, OLD.price, "deleted", now()); $$

delimiter ;

delimiter $$

create trigger update\_trig before update

on library\_table

for each row

insert into audit\_table

values (OLD.id, OLD.title, OLD.author, OLD.price, 'updated', now()); $$

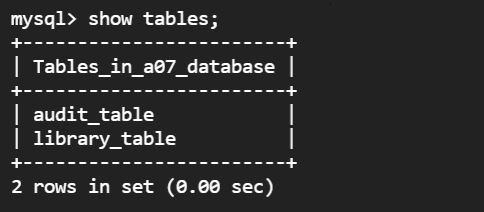
delimiter ;

delete from library\_table where id=6;

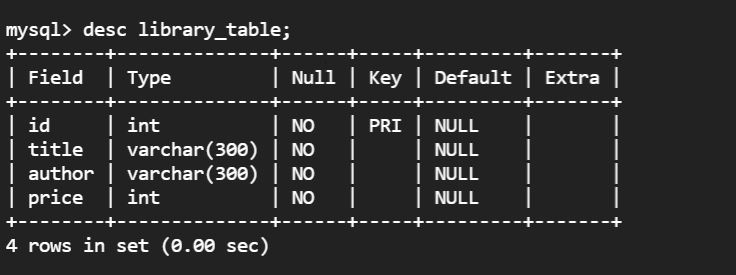
update library\_table set price=100 where id=1;

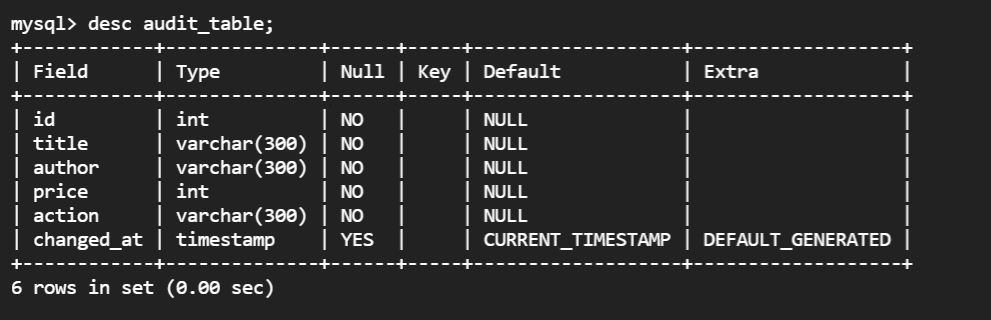
Outputs:

Tables:

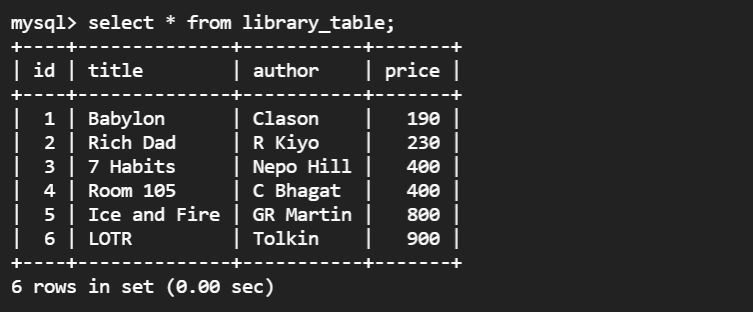


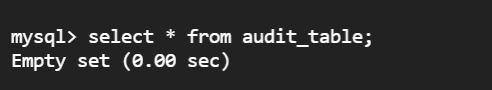
Schemas:



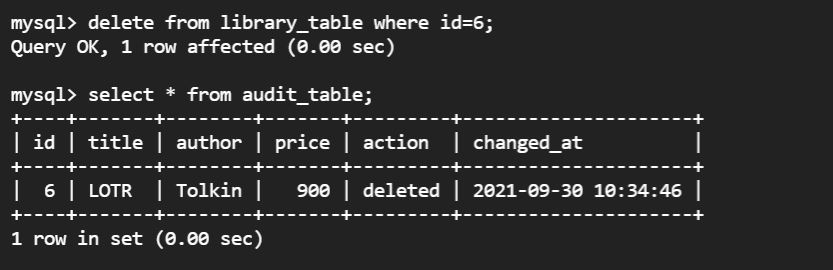


Initial Data:

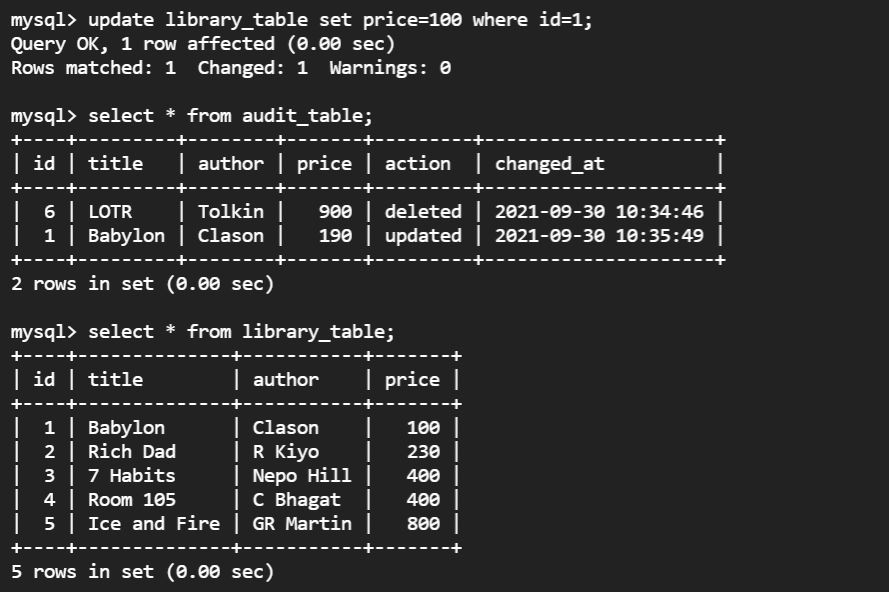




Delete Command (for delete trigger):



Update Command (for update trigger):



Thank You!