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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:

```
mysql> select * from audit_table;
Empty set (0.00 sec)
```

Delete Command (for delete trigger):

Update Command (for update trigger):

Thank You!