

In the name of God
Database Lab
Spring 2016

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1 Results and Conclusions

- a.

```
Drop table AuditBook;  
create TABLE AuditBook (  
    ID int,  
    Bookname varchar(30),  
    yearpublish int,  
    authorname varchar(40),  
    QTY int,  
    ins_or_del int  
);
```
- b.

```
alter trigger on_insert_book on Book  
instead of insert as  
print 'No change was done'
```
- c.

```
insert into "Book-1" values (1,'Bookname', 1990,'Mammad',20);
```
- d.

```
alter trigger in_del_on_book on "Book-1"  
after insert,delete as  
insert into AuditBook select  
inserted.*, 0 from inserted;  
  
insert into AuditBook select  
deleted.*,1 from deleted;
```
- e.

```
delete from "Book-1";  
select * FROM AuditBook;
```

- f. `alter trigger do_not_update on "Book-1" after update as
rollback;`
- g. `update "Book-1" set ID = 2 where ID = 1;
select * from "Book-1";`
- h. `CREATE VIEW view_book AS
SELECT Bookname,authorname,QTY
FROM "Book-1";`
- i. `insert into view_book values ('Good','Mammad',123);`
- j. `INSERT INTO view_book values('Mammad','Mammad',23);
select * from "Book-1"`
- k. `create trigger on_ins_book_view on view_book
instead of insert
as update "Book-1" set QTY = 1000 where QTY < 1000;`
- l. `create trigger do_not_delete on database for drop_table as
print 'Hello';
rollback;`
- m. `drop table "Book-1";`

2 Screen Shots