

In the name of God
Database Lab
Spring 2016

Iman TABRIZIAN

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Partners: Parham Alvani

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.

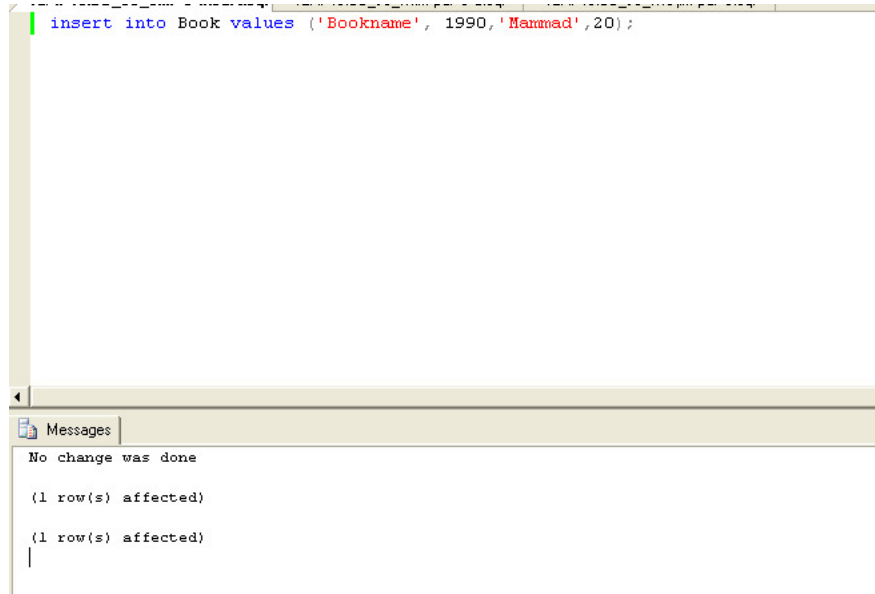
```
insert into "Book-1" values (1,'Bookname', 1990,'Mammad',20);
```
- d.

```
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



The screenshot shows a SQL query execution window. The query is: `insert into Book values ('Bookname', 1990, 'Mammad', 20);`. The results pane shows the message: `No change was done`. Below this, there are two rows of results, each showing `(1 row(s) affected)`.

```
insert into Book values ('Bookname', 1990, 'Mammad', 20);
```

Messages

No change was done

(1 row(s) affected)

(1 row(s) affected)

a.

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

Results		Messages				
	ID	Bookname	yearpublish	authorname	QTY	ins_or_del
1	1	Bookname	1990	Mammad	20	1

b.

```
insert into Book values ('Bookname', 1990, 'Mammad', 20);  
select * FROM AuditBook;
```

Results		Messages				
	ID	Bookname	yearpublish	authormame	QTY	ins_or_del
1	1	Bookname	1990	Mammad	20	0

C.

```
update "Book-1" set ID = 2 where ID = 1;  
select * from "Book-1";
```

Messages

Msg 3609, Level 16, State 1, Line 1
The transaction ended in the trigger. The batch has been aborted.

d.

<pre> INSERT INTO view_book values('Mammad', 'Mammad', 23); select * from "Book-1" </pre>					
<div> <div>Results</div> <div>Messages</div> </div>					
	ID	Bookname	yearpublish	authormame	QTY
1	1	13	231	12	1000

e.

TEMP40.DB_93_...ar-3-exec.sql TEMP40.DB_93_...5\jm-par-3.sql Table - dbo.BOOK-1 TEMP40.DB_93_1...select-res.sql TEMP40.DB_93_...ert-query.sql

```
delete from "Book-1" where ID = 1;
select * from "Book-1";
```

Results Messages

You can not delete :)

(1 row(s) affected)

(1 row(s) affected)

|

f.


```
drop table "Book-1";
```

Messages

Hello

Msg 3609, Level 16, State 2, Line 1

The transaction ended in the trigger. The batch has been aborted.

g.