

Assignment No. : 08

Group : A

```
mysql> create database pratik;  
Query OK, 1 row affected (0.08 sec)  
mysql> use pratik;  
Database changed
```

```
mysql> create table Books ( Acc_No int,Title varchar(100),Author varchar(100),Publisher  
varchar(100),Count int);  
Query OK, 0 rows affected (0.61 sec)
```

```
mysql> insert into Books value('1001','DBMS','ABC','ABCD','100');  
Query OK, 1 row affected (0.10 sec)
```

```
mysql> insert into Books value('1002','CNS','DEF','EFGH','150');  
Query OK, 1 row affected (0.07 sec)
```

```
mysql> insert into Books value('1003','SPM','GHI','IJKL','200');  
Query OK, 1 row affected (0.05 sec)
```

```
mysql> insert into Books value('1004','SPOS','JKL','MNOP','200');  
Query OK, 1 row affected (0.11 sec)
```

```
mysql> insert into Books value('1005','TOC','MNO','QRST','213');  
Query OK, 1 row affected (0.07 sec)
```

```
mysql> select * from Books;  
+-----+-----+-----+-----+-----+  
| Acc_No | Title | Author | Publisher | Count |  
+-----+-----+-----+-----+-----+  
| 1001 | DBMS | ABC | ABCD | 100 |  
| 1002 | CNS | DEF | EFGH | 150 |  
| 1003 | SPM | GHI | IJKL | 200 |  
| 1004 | SPOS | JKL | MNOP | 200 |  
| 1005 | TOC | MNO | QRST | 213 |  
+-----+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```

```
mysql> create table Lib_Audit ( Acc_No int,Title varchar(100),Author  
varchar(100),Publisher varchar(100),Count int,Action varchar(100));  
Query OK, 0 rows affected (0.31 sec)
```

```
mysql> Select * from Lib_Audit;  
Empty set (0.00 sec)
```

mysql> after delete

```
mysql> create trigger Tr after delete on Books For each row Insert into Lib_Audit set
action="delete", Acc_No=old.Acc_No, Title=old.Title, Author=old.Author,
Publisher=old.Publisher,Count=old.Count ;
Query OK, 0 rows affected (0.10 sec)
```

```
mysql> delete from Books where Acc_No='1001';
Query OK, 1 row affected (0.08 sec)
```

```
mysql> Select * from Books;
```

```
+-----+-----+-----+-----+
| Acc_No | Title | Author | Publisher | Count |
+-----+-----+-----+-----+
| 1002 | CNS  | DEF    | EFGH      | 150 |
| 1003 | SPM  | GHI    | IJKL      | 200 |
| 1004 | SPOS | JKL    | MNOP      | 200 |
| 1005 | TOC  | MNO    | QRST      | 213 |
+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> Select * from Lib_Audit;
```

```
+-----+-----+-----+-----+-----+
| Acc_No | Title | Author | Publisher | Count | Action |
+-----+-----+-----+-----+-----+
| 1001 | DBMS | ABC    | ABCD      | 100 | delete |
+-----+-----+-----+-----+-----+
```

1 row in set (0.00 sec)

mysql> after update

```
mysql> create trigger TT after update on Books For each row Insert into Lib_Audit set
action="update", Acc_No=old.Acc_No, Title=old.Title, Author=old.Author,
Publisher=old.Publisher,Count=old.Count ;
Query OK, 0 rows affected (0.10 sec)
```

```
mysql> update Books set Count=8 where Acc_No='1004';
Query OK, 1 row affected (0.08 sec)
```

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> Select *From Books ;
```

```
+-----+-----+-----+-----+
| Acc_No | Title | Author | Publisher | Count |
+-----+-----+-----+-----+
| 1002 | CNS  | DEF    | EFGH      | 150 |
| 1003 | SPM  | GHI    | IJKL      | 200 |
| 1004 | SPOS | JKL    | MNOP      | 8 |
| 1005 | TOC  | MNO    | QRST      | 213 |
+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

mysql>before update

```
mysql> create trigger SS before update on Books For each row Insert into Lib_Audit set
action="update", Acc_No=old.Acc_No, Title=old.Title, Author=old.Author,
Publisher=old.Publisher,Count=old.Count ;
Query OK, 0 rows affected (0.12 sec)
```

```
mysql> update Books set Count=7 where Acc_No='1004';
Query OK, 1 row affected (0.10 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select *from Books;
```

Acc_No	Title	Author	Publisher	Count
1002	CNS	DEF	EFGH	150
1003	SPM	GHI	IJKL	200
1004	SPOS	JKL	MNOP	7
1005	TOC	MNO	QRST	213

```
4 rows in set (0.00 sec)
```

mysql>before delete

```
mysql> create trigger TS before delete on Books For each row Insert into Lib_Audit set
action="delete", Acc_No=old.Acc_No, Title=old.Title, Author=old.Author,
Publisher=old.Publisher,Count=old.Count ;
Query OK, 0 rows affected (0.10 sec)
```

```
mysql> delete from Books where Acc_No='1002';
Query OK, 1 row affected (0.06 sec)
mysql> select * from Lib_Audit;
```

Acc_No	Title	Author	Publisher	Count	Action
1001	DBMS	ABC	ABCD	100	delete
1004	SPOS	JKL	MNOP	200	update
1004	SPOS	JKL	MNOP	8	update
1004	SPOS	JKL	MNOP	8	update
1002	CNS	DEF	EFGH	150	delete
1002	CNS	DEF	EFGH	150	delete

```
6 rows in set (0.00 sec)
```

```
mysql> select *from Books;
```

```
+-----+-----+-----+-----+-----+
| Acc_No | Title | Author | Publisher | Count |
+-----+-----+-----+-----+-----+
| 1003 | SPM | GHI | IJKL | 200 |
| 1004 | SPOS | JKL | MNOP | 7 |
| 1005 | TOC | MNO | QRST | 213 |
+-----+-----+-----+-----+-----+
```

```
3 rows in set (0.00 sec)
```