```
Query OK, 0 rows affected (0.07 sec)

mysql> delimter //
    -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to
use near 'delimter //' at line 1
mysql> delimiter //
mysql> create trigger after_insert after insert on borrower for each row
    -> begin
    -> insert into library_audit values(new.rollin, new.name, new.dateofissue,
    -> new.nameofbook, new.status, current_timestamp);
    -> end;
    -> //
Query OK, 0 rows affected (0.07 sec)

mysql> select * from borrower;
    -> //
+--------+--------+------------+------------+--------+
| rollin | name   | dateofissue | nameofbook | status |
+--------+--------+------------+------------+--------+
|      1 | Madhav | 2022-09-15 | TOC        | i      |
|      2 | Sanket | 2022-09-16 | SPM        | i      |
|      3 | Zaid   | 2022-08-17 | DMS        | i      |
|      4 | Pratik | 2022-09-02 | CNS        | r      |
|      5 | Rehan  | 2022-09-07 | SPOS       | r      |
|      6 | Ravi   | 2022-09-09 | STC        | r      |
+--------+--------+------------+------------+--------+
6 rows in set (0.00 sec)

mysql> select
    -> * from library_audit;
    -> //
Empty set (0.00 sec)

mysql> insert into borrower values(7,"Vijay","2022-09-12","STP","i");
    -> //
Query OK, 1 row affected (0.03 sec)

mysql> select  * from library_audit;//
+--------+--------+------------+------------+--------+--------------------+
| rollin | name   | dateofissue | nameofbook | status | ts                 |
```
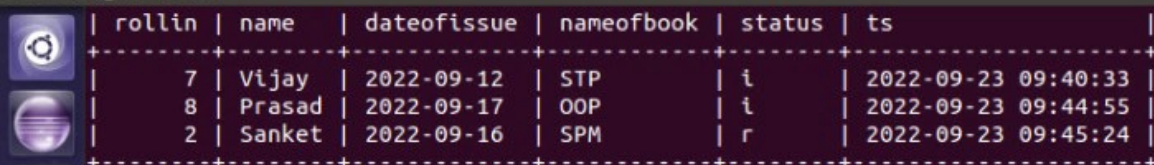
```
| rollin | name   | dateofissue | nameofbook | status | ts                  |
+--------+--------+-------------+------------+--------+---------------------+
|      7 | Vijay  | 2022-09-12  | STP        | i      | 2022-09-23 09:40:33 |
|      8 | Prasad | 2022-09-17  | OOP        | i      | 2022-09-23 09:44:55 |
|      2 | Sanket | 2022-09-16  | SPM        | r      | 2022-09-23 09:45:24 |
+--------+--------+-------------+------------+--------+---------------------+
3 rows in set (0.00 sec)

mysql> update borrower set status="i" where rollin=1;
    -> //
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from library_audit; //
+--------+--------+-------------+------------+--------+---------------------+
| rollin | name   | dateofissue | nameofbook | status | ts                  |
+--------+--------+-------------+------------+--------+---------------------+
|      7 | Vijay  | 2022-09-12  | STP        | i      | 2022-09-23 09:40:33 |
|      8 | Prasad | 2022-09-17  | OOP        | i      | 2022-09-23 09:44:55 |
|      2 | Sanket | 2022-09-16  | SPM        | r      | 2022-09-23 09:45:24 |
|      1 | Madhav | 2022-09-15  | TOC        | i      | 2022-09-23 09:45:42 |
+--------+--------+-------------+------------+--------+---------------------+
4 rows in set (0.00 sec)

mysql> delete from borrower where rollin=5;
    -> //
Query OK, 1 row affected (0.03 sec)

mysql> select * from library_audit; //
+--------+--------+-------------+------------+--------+---------------------+
| rollin | name   | dateofissue | nameofbook | status | ts                  |
+--------+--------+-------------+------------+--------+---------------------+
|      7 | Vijay  | 2022-09-12  | STP        | i      | 2022-09-23 09:40:33 |
|      8 | Prasad | 2022-09-17  | OOP        | i      | 2022-09-23 09:44:55 |
|      2 | Sanket | 2022-09-16  | SPM        | r      | 2022-09-23 09:45:24 |
|      1 | Madhav | 2022-09-15  | TOC        | i      | 2022-09-23 09:45:42 |
|      5 | Rehan  | 2022-09-07  | SPOS       | r      | 2022-09-23 09:46:43 |
+--------+--------+-------------+------------+--------+---------------------+
5 rows in set (0.00 sec)

mysql>
```
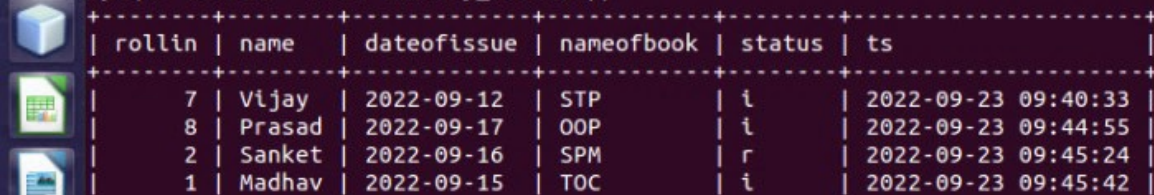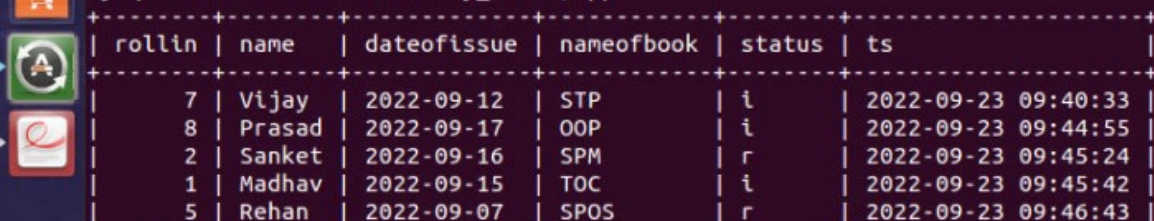
```
student@student: ~                                              ↑↓  En  ◀×  9:48 AM  ⏻

Query OK, 0 rows affected (0.09 sec)

mysql> select * from borrower;
    -> //
+--------+--------+------------+------------+--------+
| rollin | name   | dateofissue | nameofbook | status |
+--------+--------+------------+------------+--------+
|      1 | Madhav | 2022-09-15 | TOC        | r      |
|      2 | Sanket | 2022-09-16 | SPM        | i      |
|      3 | Zaid   | 2022-08-17 | DMS        | i      |
|      4 | Pratik | 2022-09-02 | CNS        | r      |
|      5 | Rehan  | 2022-09-07 | SPOS       | r      |
|      6 | Ravi   | 2022-09-09 | STC        | r      |
|      7 | Vijay  | 2022-09-12 | STP        | i      |
+--------+--------+------------+------------+--------+
7 rows in set (0.00 sec)

mysql> select * from library_audit; //
+--------+--------+------------+------------+--------+---------------------+
| rollin | name   | dateofissue | nameofbook | status | ts                  |
+--------+--------+------------+------------+--------+---------------------+
|      7 | Vijay  | 2022-09-12 | STP        | i      | 2022-09-23 09:40:33 |
+--------+--------+------------+------------+--------+---------------------+
1 row in set (0.00 sec)

mysql> insert into borrower values(8,"Prasad","2022-09-17","OOP","i");
    -> //
Query OK, 1 row affected (0.04 sec)

mysql> select * from library_audit; //
+--------+--------+------------+------------+--------+---------------------+
| rollin | name   | dateofissue | nameofbook | status | ts                  |
+--------+--------+------------+------------+--------+---------------------+
|      7 | Vijay  | 2022-09-12 | STP        | i      | 2022-09-23 09:40:33 |
|      8 | Prasad | 2022-09-17 | OOP        | i      | 2022-09-23 09:44:55 |
+--------+--------+------------+------------+--------+---------------------+
2 rows in set (0.00 sec)

mysql> update borrower set status="r" where rollin=2;
    -> //
Query OK, 1 row affected (0.03 sec)
```

```
mysql> insert into borrower values(7,"Vijay","2022-09-12","STP","i");
    -> //
Query OK, 1 row affected (0.03 sec)

mysql> select  * from library_audit;//
+--------+-------+-------------+------------+--------+---------------------+
| rollin | name  | dateofissue | nameofbook | status | ts                  |
+--------+-------+-------------+------------+--------+---------------------+
|      7 | Vijay | 2022-09-12  | STP        | i      | 2022-09-23 09:40:33 |
+--------+-------+-------------+------------+--------+---------------------+
1 row in set (0.00 sec)

mysql> update borrower set status="r" where rollin=1;
    -> //
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select  * from library_audit;//
+--------+-------+-------------+------------+--------+---------------------+
| rollin | name  | dateofissue | nameofbook | status | ts                  |
+--------+-------+-------------+------------+--------+---------------------+
|      7 | Vijay | 2022-09-12  | STP        | i      | 2022-09-23 09:40:33 |
+--------+-------+-------------+------------+--------+---------------------+
1 row in set (0.00 sec)

mysql> create trigger after_delete after delete on borrower for each row
    -> begin
    -> insert into library_audit values(old.rollin, old.name, old.dateofissue,
    -> old.nameofbook, old.status, current_timestamp());
    -> end ;
    -> //
Query OK, 0 rows affected (0.08 sec)

mysql> create trigger after_update after update on borrower for each row
    -> begin
    -> insert into library_audit values(new.rollin, new.name, new.dateofissue,
    -> new.nameofbook, new.status, current_timestamp());
    -> end ;
    -> //
Query OK, 0 rows affected (0.09 sec)
```

```
+---------+--------+------------+------------+--------+---------------------+
2 rows in set (0.00 sec)

mysql> update borrower set status="r" where rollin=2;
    -> //
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from library_audit; //
+---------+--------+------------+------------+--------+---------------------+
| rollin  | name   | dateofissue | nameofbook | status | ts                  |
+---------+--------+------------+------------+--------+---------------------+
|       7 | Vijay  | 2022-09-12 | STP        | i      | 2022-09-23 09:40:33 |
|       8 | Prasad | 2022-09-17 | OOP        | i      | 2022-09-23 09:44:55 |
|       2 | Sanket | 2022-09-16 | SPM        | r      | 2022-09-23 09:45:24 |
+---------+--------+------------+------------+--------+---------------------+
3 rows in set (0.00 sec)

mysql> update borrower set status="i" where rollin=1;
    -> //
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from library_audit; //
+---------+--------+------------+------------+--------+---------------------+
| rollin  | name   | dateofissue | nameofbook | status | ts                  |
+---------+--------+------------+------------+--------+---------------------+
|       7 | Vijay  | 2022-09-12 | STP        | i      | 2022-09-23 09:40:33 |
|       8 | Prasad | 2022-09-17 | OOP        | i      | 2022-09-23 09:44:55 |
|       2 | Sanket | 2022-09-16 | SPM        | r      | 2022-09-23 09:45:24 |
|       1 | Madhav | 2022-09-15 | TOC        | i      | 2022-09-23 09:45:42 |
+---------+--------+------------+------------+--------+---------------------+
4 rows in set (0.00 sec)

mysql> delete from borrower where rollin=5;
    -> //
Query OK, 1 row affected (0.03 sec)

mysql> select * from library_audit; //
+---------+--------+------------+------------+--------+---------------------+
| rollin  | name   | dateofissue | nameofbook | status | ts                  |
```

```
mysql> create database Trigger;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to
use near 'Trigger' at line 1
mysql> create database Triggesr;
Query OK, 1 row affected (0.00 sec)

mysql> use Triggesr;
Database changed
mysql> create table borrower (rollin int, name varchar(30), dateofissue date, nameofbook varchar(30), status char(10));
Query OK, 0 rows affected (0.07 sec)

mysql> insert borrower values (101, 'abc', '2017-07-16', 'dbms', 'r'), (102, 'abc1', '2017-07-16', 'cn', 'i'),
    -> (103,'abc3', '2017-07-18', 'toc', 'i'), (104, 'abc4', '2017-07-20', 'ds', 'i'), (105, 'abc5', '2017-07-23', 'daa',
    -> 'r'), (106, 'nisha', '2017-08-10', 'splm', 'r' );
Query OK, 6 rows affected (0.03 sec)
Records: 6  Duplicates: 0  Warnings: 0

mysql> truncate table borrower;
Query OK, 0 rows affected (0.03 sec)

mysql> insert into borrower values(1,"Madhav","2022-09-15","TOC","i");
Query OK, 1 row affected (0.03 sec)

mysql> insert into borrower values(2,"Sanket","2022-09-16","SPM","i");
Query OK, 1 row affected (0.05 sec)

mysql> insert into borrower values(3,"Zaid","2022-08-17","DMS","i");
Query OK, 1 row affected (0.03 sec)

mysql> insert into borrower values(4,"Pratik","2022-09-02","CNS","r");
Query OK, 1 row affected (0.03 sec)

mysql> insert into borrower values(5,"Rehan","2022-09-07","SPOS","r");
Query OK, 1 row affected (0.04 sec)

mysql> insert into borrower values(6,"Ravi","2022-09-09","STC","r");
Query OK, 1 row affected (0.03 sec)

mysql> create table library_audit(rollin int, name char(10), dateofissue date,nameofbook char(10), status char, ts timestamp);
Query OK, 0 rows affected (0.07 sec)
```