

Enter password: \*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 10

Server version: 8.0.30 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> drop database shyam;

Query OK, 1 row affected (0.28 sec)

mysql> create database shyam;

Query OK, 1 row affected (0.16 sec)

mysql> use shyam;

Database changed

mysql> create table borrower(roll\_no int,name varchar(20),doi date,book\_name varchar(10),status varchar(20));

Query OK, 0 rows affected (0.26 sec)

mysql> desc borrower;

| Field     | Type        | Null | Key | Default | Extra |
|-----------|-------------|------|-----|---------|-------|
| roll_no   | int         | YES  |     | NULL    |       |
| name      | varchar(20) | YES  |     | NULL    |       |
| doi       | date        | YES  |     | NULL    |       |
| book_name | varchar(10) | YES  |     | NULL    |       |
| status    | varchar(20) | YES  |     | NULL    |       |

5 rows in set (0.18 sec)

```
mysql> insert into borrower
```

```
-> values(12,'patel','2018-07-01','xyz','issued');
```

Query OK, 1 row affected (0.08 sec)

```
mysql> insert into borrower
```

```
-> values(14,'shinde','2018-06-01','oop','issued');
```

Query OK, 1 row affected (0.12 sec)

```
mysql> insert into borrower
```

```
-> values(16,'bhanghale','2018-05-01','coa','returned');
```

Query OK, 1 row affected (0.13 sec)

```
mysql> insert into borrower
```

```
-> values(18,'shahane','2018-06-15','toc','returned');
```

Query OK, 1 row affected (0.13 sec)

```
mysql> insert into borrower
```

```
-> values(20,'patil','2018-05-15','mp','issued');
```

Query OK, 1 row affected (0.06 sec)

```
mysql> select*from borrower;
```

```
+-----+-----+-----+-----+-----+
| roll_no | name   | doi    | book_name | status |
+-----+-----+-----+-----+-----+
| 12 | patel   | 2018-07-01 | xyz      | issued |
| 14 | shinde  | 2018-06-01 | oop      | issued |
| 16 | bhanghale | 2018-05-01 | coa      | returned |
| 18 | shahane | 2018-06-15 | toc      | returned |
| 20 | patil   | 2018-05-15 | mp       | issued |
+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> alter table borrower
```

```
-> add price int;
```

Query OK, 0 rows affected (1.62 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> select*from borrower;
```

| roll_no | name      | doi        | book_name | status   | price |
|---------|-----------|------------|-----------|----------|-------|
| 12      | patel     | 2018-07-01 | xyz       | issued   | NULL  |
| 14      | shinde    | 2018-06-01 | oop       | issued   | NULL  |
| 16      | bhanghale | 2018-05-01 | coa       | returned | NULL  |
| 18      | shahane   | 2018-06-15 | toc       | returned | NULL  |
| 20      | patil     | 2018-05-15 | mp        | issued   | NULL  |

5 rows in set (0.00 sec)

```
mysql> update borrower set price=2200 where roll_no=12;
```

Query OK, 1 row affected (0.10 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select*from borrower;
```

| roll_no | name      | doi        | book_name | status   | price |
|---------|-----------|------------|-----------|----------|-------|
| 12      | patel     | 2018-07-01 | xyz       | issued   | 2200  |
| 14      | shinde    | 2018-06-01 | oop       | issued   | NULL  |
| 16      | bhanghale | 2018-05-01 | coa       | returned | NULL  |
| 18      | shahane   | 2018-06-15 | toc       | returned | NULL  |

|  |    |  |       |  |            |  |    |  |        |  |      |  |
|--|----|--|-------|--|------------|--|----|--|--------|--|------|--|
|  | 20 |  | patil |  | 2018-05-15 |  | mp |  | issued |  | NULL |  |
|--|----|--|-------|--|------------|--|----|--|--------|--|------|--|

|   |       |   |       |   |       |   |       |   |       |   |       |   |
|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|
| + | ----- | + | ----- | + | ----- | + | ----- | + | ----- | + | ----- | + |
|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|

5 rows in set (0.00 sec)

mysql> update borrower set price=2150 where roll\_no=14;

Query OK, 1 row affected (0.30 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update borrower set price=1920 where roll\_no=16;

Query OK, 1 row affected (0.15 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update borrower set price=1750 where roll\_no=18;

Query OK, 1 row affected (1.29 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update borrower set price=1550 where roll\_no=20;

Query OK, 1 row affected (1.07 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select\*from borrower;

|   |       |   |       |   |       |   |       |   |       |   |       |   |
|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|
| + | ----- | + | ----- | + | ----- | + | ----- | + | ----- | + | ----- | + |
|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|

|  |         |  |      |  |     |  |           |  |        |  |       |  |
|--|---------|--|------|--|-----|--|-----------|--|--------|--|-------|--|
|  | roll_no |  | name |  | doi |  | book_name |  | status |  | price |  |
|--|---------|--|------|--|-----|--|-----------|--|--------|--|-------|--|

|   |       |   |       |   |       |   |       |   |       |   |       |   |
|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|
| + | ----- | + | ----- | + | ----- | + | ----- | + | ----- | + | ----- | + |
|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|

|  |    |  |       |  |            |  |     |  |        |  |      |  |
|--|----|--|-------|--|------------|--|-----|--|--------|--|------|--|
|  | 12 |  | patel |  | 2018-07-01 |  | xyz |  | issued |  | 2200 |  |
|--|----|--|-------|--|------------|--|-----|--|--------|--|------|--|

|  |    |  |        |  |            |  |     |  |        |  |      |  |
|--|----|--|--------|--|------------|--|-----|--|--------|--|------|--|
|  | 14 |  | shinde |  | 2018-06-01 |  | oop |  | issued |  | 2150 |  |
|--|----|--|--------|--|------------|--|-----|--|--------|--|------|--|

|  |    |  |           |  |            |  |     |  |          |  |      |  |
|--|----|--|-----------|--|------------|--|-----|--|----------|--|------|--|
|  | 16 |  | bhanghale |  | 2018-05-01 |  | coa |  | returned |  | 1920 |  |
|--|----|--|-----------|--|------------|--|-----|--|----------|--|------|--|

|  |    |  |         |  |            |  |     |  |          |  |      |  |
|--|----|--|---------|--|------------|--|-----|--|----------|--|------|--|
|  | 18 |  | shahane |  | 2018-06-15 |  | toc |  | returned |  | 1750 |  |
|--|----|--|---------|--|------------|--|-----|--|----------|--|------|--|

|  |    |  |       |  |            |  |    |  |        |  |      |  |
|--|----|--|-------|--|------------|--|----|--|--------|--|------|--|
|  | 20 |  | patil |  | 2018-05-15 |  | mp |  | issued |  | 1550 |  |
|--|----|--|-------|--|------------|--|----|--|--------|--|------|--|

|   |       |   |       |   |       |   |       |   |       |   |       |   |
|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|
| + | ----- | + | ----- | + | ----- | + | ----- | + | ----- | + | ----- | + |
|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|

5 rows in set (0.00 sec)

```
mysql> create trigger mytrigger before insert
```

```
-> on borrower for each row
```

```
-> begin
```

```
-> if new.price<0 then set new.price=2380;
```

```
-> end if;
```

```
-> end
```

```
-> //
```

```
Query OK, 0 rows affected (0.48 sec)
```

```
mysql> insert into borrower
```

```
-> values(22,'Karan','2018-06-05','PHP','issued',-20);
```

```
-> //
```

```
Query OK, 1 row affected (0.17 sec)
```

```
mysql> select*from borrower;
```

```
-> //
```

```
+-----+-----+-----+-----+-----+-----+
| roll_no | name   | doi    | book_name | status | price |
+-----+-----+-----+-----+-----+-----+
| 12 | patel   | 2018-07-01 | xyz      | issued | 2200 |
| 14 | shinde  | 2018-06-01 | oop      | issued | 2150 |
| 16 | bhanghale | 2018-05-01 | coa      | returned | 1920 |
| 18 | shahane | 2018-06-15 | toc      | returned | 1750 |
| 20 | patil   | 2018-05-15 | mp       | issued | 1550 |
| 22 | Karan   | 2018-06-05 | PHP      | issued | 2380 |
+-----+-----+-----+-----+-----+-----+
```

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

```
mysql>
```

```
mysql> create trigger mytrigger_before_update before update
on borrower for each row
begin
if new.price > 0 then set new.price = 00;
end if;
end //

mysql> update borrower set price=2000 where roll_no=16;

-> //
```

Query OK, 1 row affected (0.07 sec)  
Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from borrower;

-> //
```

| roll_no | name      | doi        | book_name | status   | price |
|---------|-----------|------------|-----------|----------|-------|
| 12      | patel     | 2018-07-01 | xyz       | issued   | 2200  |
| 14      | shinde    | 2018-06-01 | oop       | issued   | 2150  |
| 16      | bhanghale | 2018-05-01 | coa       | returned | 2000  |
| 18      | shahane   | 2018-06-15 | toc       | returned | 1750  |
| 20      | patil     | 2018-05-15 | mp        | issued   | 1550  |
| 22      | Karan     | 2018-06-05 | PHP       | issued   | 2380  |

6 rows in set (0.00 sec)

```
mysql>
```