Name:- SHARMA SAGAR GANESH
Roll no:- 55
Batch:- T4

Group A: Practical no. 08

Title : Database Trigger (All Types: Row level and Statement level triggers, Before and After Triggers).

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mysql> use info;

Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed

mysql> create table borrower2(roll_no int,name varchar(20),date_of_issue date,book varchar2);

Query OK, 0 rows affected (0.44 sec)

mysql>insert into borrower2 values('1','nick','2018-06-10','wings_of_fire','avaliable','APJ');

Query OK, 1 row affected (0.07 sec)

mysql> insert into borrower2 values('2','mira','2018-05-11','leaves_life','not_avaliable','borwarkar');

Query OK, 1 row affected (0.05 sec)

mysql> insert into borrower2 values('3','rina','2018-02-12','unusal','avaliable','johar');

Query OK, 1 row affected (0.04 sec)

mysql> insert into borrower2 values('4','harsha','2018-06-20','skylimit','avaliable','ingale');

Query OK, 1 row affected (0.05 sec)

mysql> insert into borrower2 values('5','tej','2018-04-20','highway','not_avaliable','klm');

Query OK, 1 row affected (0.05 sec)

mysql> select *from borrower1;

roll_n	name	date_of_issue	book_name	status	author
1	nick	2018-06-10	wings_of_fire	available	APJ
2	mira	2018-05-11	leaves_life	not_avaliable	borwarkar
3	rina	2018-02-12	unusal	available	johar
4	harsha	2018-06-20	skylimit	available	ingale
5	tej	2018-04-20	highway	not_avaliable	klm

5 rows in set (0.00 sec)

//INSERT TRIGGER

```
mysql> delimiter //
 mysql> create trigger library after insert on borrower1 for each row
-> begin
 -> insert into audit1
values(new.roll_no,new.name,new.date_of_issue,new.book_name,new.status,new.author,current_timestamp);
-> end;
 -> //Query OK, 0 rows affected (0.10 sec)
mysql> insert into borrower1 values('6','xyz','2018-09-06','aaa','avaliable','xxx');
 -> //
Query OK, 1 row affected (0.07 sec) mysql>
select * from borrower1;
 -> //
```

```
-------------------------------------------------------------------------------------------
| roll_n | name   | date_of_issue | book_name     | status        | author     |
-------------------------------------------------------------------------------------------
|1       | nick   |2018-06-10     | wings_of_fire | available     | APJ        |
|2       | mira   | 2018-05-11    | leaves_life   |not_avaliable  | borwarkar  |
|3       | rina   | 2018-02-12    | unusal        |available      | johar      |
|4       | harsha | 2018-06-20    | skylimit      |available      | ingale     |
|5       | tej    | 2018-04-20    | highway       |not_avaliable  | klm        |
|6       | xyz    | 2018-09-06    | xyz           |avaliable      |xxx         |
-------------------------------------------------------------------------------------------
```

6 rows in set (0.00 sec)

mysql> select * from audit1;
-> //
```
---------------------------------------------------------------------------------------------
| roll_no | name | date_of_issue | book_name | status        |author|    ts              |

---------------------------------------------------------------------------------------------
|6         | xyz  | 2018-09-06    | aaa       | avaliable | xxx    | 2018-08-29 15:46:13 |

---------------------------------------------------------------------------------------------
```
1 row in set (0.00 sec)

// UPDATE TRIGGER

mysql> delimiter //
mysql> create trigger library1 after update on borrower1 for each
row
-> begin
->insert into audit1
values(new.roll_no,new.name,new.date_of_issue,new.book_name,new.status,new.author,current_timest
amp);
-> end;
-> //

Query OK, 0 rows affected (0.08 sec)

mysql> update borrower1 set roll_no='8',book_name='leaf' where name='xyz';
-> //
Query OK, 1 row affected (0.04 sec) Rows
matched: 1 Changed: 1 Warnings: 0

```
 mysql> select *from borrower1;
 -> //
```

```
-------------------------------------------------------------------------------------------------
| roll_n | name    | date_of_issue  | book_name     | status          | author       |
-------------------------------------------------------------------------------------------------
|1        | nick    |2018-06-10      |  wings_of_fire | available       | APJ          |
|2        | mira    | 2018-05-11     | leaves_life    |not_avaliable    | borwarkar    |
|3        | rina    | 2018-02-12     |  unusal        |available        | johar        |
|4        | harsha  | 2018-06-20     |  skylimit      |available        | ingale       |
|5        | tej     | 2018-04-20     |  highway       |not_avaliable    | klm          |
|88       | xyz     | 2018-09-06     |  leaf          |avaliable        |xxx           |
-------------------------------------------------------------------------------------------------
```

6 rows in set (0.00 sec)