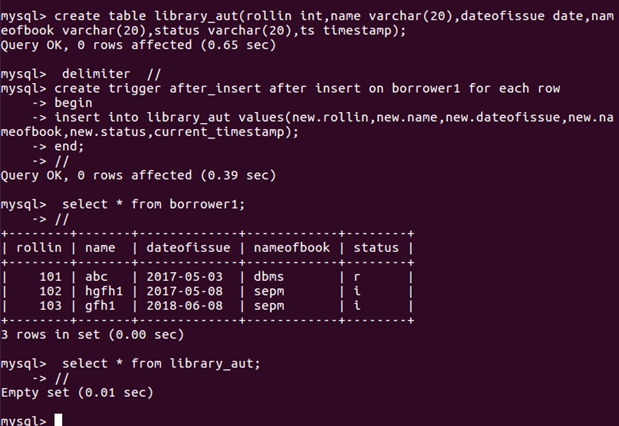
**DBMS ASSIGNMENT 8**

**CLASS: TE B**

**ROLL NO: 322008**

**Problem Statement:** Database Trigger (All Types: Row level and Statement level triggers, Before and After Triggers). Write a database trigger on Library table. The System should keep track of the records that are being updated or deleted. The old value of updated or deleted records should be added in Library\_Audit table.

**Screenshots:**



**Queries:**

Create table library\_aut(rollin iny, name, varchar(20), dateofissue date, nameofbook varchar(20), status varchar(20), ts timestrap);

Create trigger after\_insert after insert on borrower1 for each row

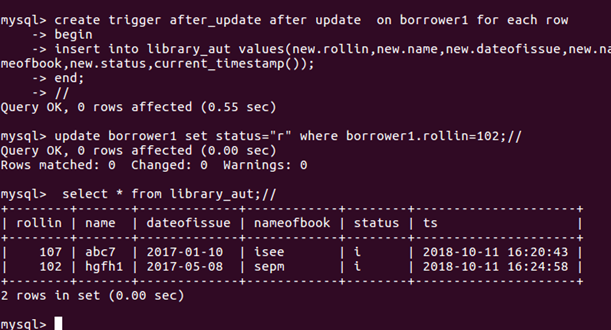
Begin

Insert into library\_aut values(new.rollin, new.name, new.dateofissue, new.nameofbook, new.status current.timestamp);

End;

Select \* from borrower1;

Select \* from library\_aut;



**Queries:**

Create trigger after\_update after update on borrower1 for each row

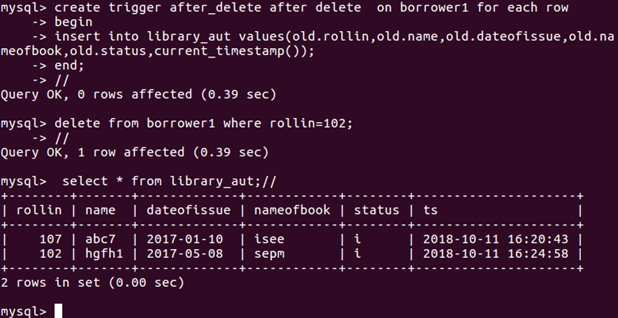
Begin

Insert into library\_aut values(new.rollin, new.name, new.dateofissue, new.nameofbook, new.status current.timestamp);

End;

Update borrower1 set status = “r” where borrower1.rollin = 102;

Select \* from library\_aut;



**Queries:**

Create trigger after\_delete after delete on borrower1 for each row

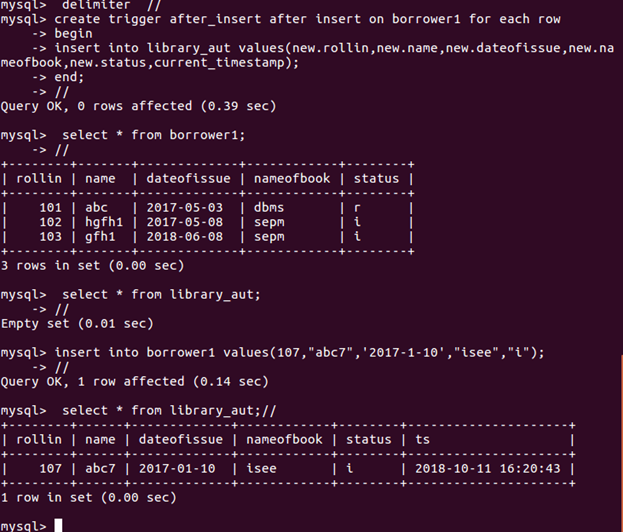
Begin

Insert into library\_aut values(new.rollin, new.name, new.dateofissue, new.nameofbook, new.status current.timestamp);

End;

Delete from borrower1 where rollin = 102;

Select \* from library\_aut;



**Queries:**

Create trigger after\_insert after insert on borrower1 for each row

Begin

Insert into library\_aut values(new.rollin, new.name, new.dateofissue, new.nameofbook, new.status current.timestamp);

End;

Select \* from borrower1;

Select \* from library\_aut;

Insert into borrower1 values(107, “abc7”, ‘2017-1-10’,”isee”, “i”);

Select \* from library\_aut;

**Conclusion:** Database triggers were implemented successfully