**Assignment 8**

**Creation of tables**

Create two tables emp and emp\_update as shown below

Create table emp(EmpNo INT, Lname VARCHAR(50), Salary int(5));

Create table emp\_audit (EmpNo INT, Lname VARCHAR(50), changedat DATETIME, action

VARCHAR(50));

**Inserting data :**

Insert into emp values

(101, ‘John’,9000),

(102, ‘Pawar’,9000),

(103, ‘Jagruti’,7000);

**Trigger :**

MySQL>DELIMITER //

MySQL>CREATE TRIGGER t1

AFTER UPDATE ON emp

FOR EACH ROW

BEGIN

INSERT INTO emp\_audit

SET EmpNo = OLD. EmpNo,

Lname= OLD.Lname,

changedat = NOW()

action = 'update';

END //

MySQL>DELIMITER ;

MySQL>SHOW TRIGGERS;

UPDATE emp SET Lname = ‘Pratik’ WHERE EmpNo = 101;

SELECT \* FROM emp;

SELECT \* FROM emp\_audit;

delimiter $

CREATE TRIGGER T1

BEFORE UPDATE ON Borrower

FOR EACH ROW

BEGIN

INSERT INTO library SET

Roll\_No = OLD.Roll\_No,

Name=OLD.Name,

DateofIssue=OLD.DateofIssue,

NameofBook=OLD.Nameofbook,

Status=NEW.Status;

END $

delimiter $

CREATE TRIGGER T2

AFTER DELETE ON Borrower

FOR EACH ROW

BEGIN

INSERT INTO library SET

Roll\_No = OLD.Roll\_No,

Name=OLD.Name,

DateofIssue=OLD.DateofIssue,

NameofBook=OLD.Nameofbook,

Status=OLD.Status;

END $

mysql> select \* from Borrower;

+---------+-----------+-------------+------------+--------+

| Roll\_No | Name | DateofIssue | Nameofbook | Status |

+---------+-----------+-------------+------------+--------+

| 2 | Sonakshi | 2018-08-10 | Networking | R |

| 3 | Nira | 2018-08-13 | Mysql | R |

| 4 | Jagdish | 2018-07-05 | DBMS | R |

| 5 | Jayashree | 2018-08-09 | Mysql | I |

+---------+-----------+-------------+------------+--------+

4 rows in set (0.00 sec)

mysql> select \* from library;

+---------+----------+-------------+------------+--------+

| Roll\_No | Name | DateofIssue | Nameofbook | Status |

+---------+----------+-------------+------------+--------+

| 2 | Sonakshi | 2018-08-10 | Networking | R |

+---------+----------+-------------+------------+--------+

1 row in set (0.00 sec)

update Borrower set Status='R' where Roll\_No='5';

Query OK, 0 rows affected (0.04 sec)

Rows matched: 1 Changed: 0 Warnings: 0

mysql> select \* from library;

+---------+-----------+-------------+------------+--------+

| Roll\_No | Name | DateofIssue | Nameofbook | Status |

+---------+-----------+-------------+------------+--------+

| 2 | Sonakshi | 2018-08-10 | Networking | R |

| 5 | Jayashree | 2018-08-09 | Mysql | R |

+---------+-----------+-------------+------------+--------+

2 rows in set (0.00 sec)

mysql> select \* from Borrower;

+---------+-----------+-------------+------------+--------+

| Roll\_No | Name | DateofIssue | Nameofbook | Status |

+---------+-----------+-------------+------------+--------+

| 2 | Sonakshi | 2018-08-10 | Networking | R |

| 3 | Nira | 2018-08-13 | Mysql | R |

| 4 | Jagdish | 2018-07-05 | DBMS | R |

| 5 | Jayashree | 2018-08-09 | Mysql | R |

+---------+-----------+-------------+------------+--------+

4 rows in set (0.01 sec)

mysql> delete from Borrower where Roll\_No=4;

Query OK, 1 row affected (0.04 sec)

mysql> select \* from Borrower;

+---------+-----------+-------------+------------+--------+

| Roll\_No | Name | DateofIssue | Nameofbook | Status |

+---------+-----------+-------------+------------+--------+

| 2 | Sonakshi | 2018-08-10 | Networking | R |

| 3 | Nira | 2018-08-13 | Mysql | R |

| 5 | Jayashree | 2018-08-09 | Mysql | R |

+---------+-----------+-------------+------------+--------+

3 rows in set (0.00 sec)

mysql> select \* from library;

+---------+-----------+-------------+------------+--------+

| Roll\_No | Name | DateofIssue | Nameofbook | Status |

+---------+-----------+-------------+------------+--------+

| 2 | Sonakshi | 2018-08-10 | Networking | R |

| 5 | Jayashree | 2018-08-09 | Mysql | R |

| 4 | Jagdish | 2018-07-05 | DBMS | R |

+---------+-----------+-------------+------------+--------+

3 rows in set (0.00 sec)

mysql>