**Name : Kashid Raj Shivaji**

**Roll No: 13215**

**TE ‘B’**

**Practical No: 8**

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

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

**Your MySQL connection id is 91**

**Server version: 8.0.30 MySQL Community Server - GPL**

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**owners.**

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

**mysql> create database lib;**

**Query OK, 1 row affected (0.01 sec)**

**mysql> use lib;**

**Database changed**

**mysql> create table library(bno int(5),bname varchar(40),author varchar(20),allowed\_days int(5));**

**Query OK, 0 rows affected, 2 warnings (0.01 sec)**

**mysql> create table library\_audit(bno int(5),old\_all\_days int(5),new\_all\_days int(5));**

**Query OK, 0 rows affected, 3 warnings (0.01 sec)**

**mysql> insert into library values(1,'Database Systems','Connally T',10);**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into library values(2,'System Programming','John Donovan',20);**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into library values(3,'Computer Network & Internet','Douglas E. Comer',18);**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into library values(4,'Agile Project Management','Ken Schwaber',24);**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into library values(5,'Python for Data Analysis','Wes McKinney',12);**

**Query OK, 1 row affected (0.01 sec)**

**mysql> select \* from library;**

**+------+-----------------------------+------------------+--------------+**

**| bno | bname | author | allowed\_days |**

**+------+-----------------------------+------------------+--------------+**

**| 1 | Database Systems | Connally T | 10 |**

**| 2 | System Programming | John Donovan | 20 |**

**| 3 | Computer Network & Internet | Douglas E. Comer | 18 |**

**| 4 | Agile Project Management | Ken Schwaber | 24 |**

**| 5 | Python for Data Analysis | Wes McKinney | 12 |**

**+------+-----------------------------+------------------+--------------+**

**5 rows in set (0.00 sec)**

**mysql> delimiter //**

**mysql> create trigger tr1**

**-> before update on library**

**-> for each row**

**-> begin**

**-> insert into library\_audit values(new.bno,old.allowed\_days,new.allowed\_days);**

**-> end //**

**Query OK, 0 rows affected (0.01 sec)**

**mysql> update library set allowed\_days=15 where bno=1;**

**Query OK, 1 row affected (0.01 sec)**

**Rows matched: 1 Changed: 1 Warnings: 0**

**mysql> update library set allowed\_days=25 where bno=2;**

**Query OK, 1 row affected (0.00 sec)**

**Rows matched: 1 Changed: 1 Warnings: 0**

**mysql> update library set allowed\_days=13 where bno=3;**

**Query OK, 1 row affected (0.00 sec)**

**Rows matched: 1 Changed: 1 Warnings: 0**

**mysql> update library set allowed\_days=19 where bno=4;**

**Query OK, 1 row affected (0.00 sec)**

**Rows matched: 1 Changed: 1 Warnings: 0**

**mysql> update library set allowed\_days=17 where bno=5;**

**Query OK, 1 row affected (0.00 sec)**

**Rows matched: 1 Changed: 1 Warnings: 0**

**mysql> select \* from library;**

**+------+-----------------------------+------------------+--------------+**

**| bno | bname | author | allowed\_days |**

**+------+-----------------------------+------------------+--------------+**

**| 1 | Database Systems | Connally T | 10 |**

**| 2 | System Programming | John Donovan | 20 |**

**| 3 | Computer Network & Internet | Douglas E. Comer | 18 |**

**| 4 | Agile Project Management | Ken Schwaber | 24 |**

**| 5 | Python for Data Analysis | Wes McKinney | 12 |**

**+------+-----------------------------+------------------+--------------+**

**5 rows in set (0.00 sec)**

**mysql> select \* from library\_audit;**

**+------+--------------+--------------+**

**| bno | old\_all\_days | new\_all\_days |**

**+------+--------------+--------------+**

**| 1 | 10 | 15 |**

**| 2 | 20 | 25 |**

**| 3 | 18 | 13 |**

**| 4 | 24 | 19 |**

**| 5 | 12 | 17 |**

**+------+--------------+--------------+**

**5 rows in set (0.00 sec)**