**Name : Kashid Raj Shivaji**

**Roll No: 13215**

**TE ‘B’**

**Practical No: 5**

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

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

**Your MySQL connection id is 11**

**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 library;**

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

**mysql> use library;**

**Database changed**

**mysql> create table borrower(Rollno int(4),Name varchar(20),DateofIssue date,NameofBook varchar(30),Status varchar(10));**

**Query OK, 0 rows affected, 1 warning (0.01 sec)**

**mysql> insert into borrower values(14,'Ram','2022-09-19','Operating System');**

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

**mysql> insert into borrower values(27,'Soham','2022-07-24','Object Oriented Programming');**

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

**mysql> insert into borrower values(34,'Mohan','2022-06-12','Microprocessor');**

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

**mysql> insert into borrower values(48,'Om','2022-04-19','Mechanics');**

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

**mysql> select \* from Borrower;**

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

**| Rollno | Name | DateofIssue | NameofBook | Status |**

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

**| 14 | Ram | 2022-09-19 | Operating System | I |**

**| 27 | Soham | 2022-07-24 | Object Oriented Programming | I |**

**| 34 | Mohan | 2022-06-12 | Microprocessor | I |**

**| 48 | Om | 2022-04-19 | Mechanics | I |**

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

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

**mysql> create table Fine(Rollno int(4),Date date,Amount int(10));**

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

**mysql> delimiter //**

**mysql> create procedure calc\_fine(in r int(10),in b varchar(30))**

**-> begin**

**-> declare doi date;**

**-> declare diff int(3);**

**-> select DateofIssue into doi from borrower where Rollno=r and NameofBook=b;**

**-> select datediff(curdate(),doi) into diff;**

**-> if diff>=15 and diff<=30 then**

**-> insert into Fine values(r,curdate(),diff\*5);**

**-> end if;**

**-> if diff>30 then**

**-> insert into Fine values(r,curdate(),diff\*50);**

**-> end if;**

**-> end//**

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

**mysql> delimiter //**

**mysql> create procedure submit(in r int(2))**

**-> begin**

**-> update borrower set status='R' where Rollno=r;**

**-> delete from Fine where Rollno=r;**

**-> end//**

**Query OK, 0 rows affected, 1 warning (0.00 sec)**

**mysql> call calc\_fine(14,'Operating System');**

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

**mysql> select \* from fine;**

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

**| Rollno | Date | Amount |**

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

**| 14 | 2022-10-13 | 120 |**

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

**1 row in set (0.00 sec)**

**mysql> call calc\_fine(27,'Object Oriented Programming');**

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

**mysql> call calc\_fine(34,'Microprocessor');**

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

**mysql> call calc\_fine(48,'Mechanics');**

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

**mysql> select \* from fine;**

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

**| Rollno | Date | Amount |**

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

**| 14 | 2022-10-13 | 120 |**

**| 27 | 2022-10-13 | 4050 |**

**| 34 | 2022-10-13 | 6150 |**

**| 48 | 2022-10-13 | 8850 |**

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

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

**mysql> call submit(14);**

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

**mysql> call submit(27);**

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

**mysql> call submit(48);**

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

**mysql> call submit(34);**

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

**mysql> select \* from fine;**

**Empty set (0.00 sec)**

**mysql> select \* from borrower;**

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

**| Rollno | Name | DateofIssue | NameofBook | Status |**

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

**| 14 | Ram | 2022-09-19 | Operating System | R |**

**| 27 | Soham | 2022-07-24 | Object Oriented Programming | R |**

**| 34 | Mohan | 2022-06-12 | Microprocessor | R |**

**| 48 | Om | 2022-04-19 | Mechanics | R |**

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

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