***Assignment:5***

[student@localhost ~]$ su

Password:

[root@localhost student]# mysql

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

Your MariaDB connection id is 8

Server version: 5.5.43-MariaDB MariaDB Server

Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create database library;

Query OK, 1 row affected (0.14 sec)

MariaDB [(none)]> use library;

Database changed

MariaDB [library]> create table Borrower(Rollin int(5),Name varchar(30),DateofIssue date,NameofBook varchar(30),status char(10));

Query OK, 0 rows affected (0.33 sec)

MariaDB [library]> insert into Borrower values(21,"library","2017-10-3","Theory ofComputation",'I');

Query OK, 1 row affected (0.06 sec)

MariaDB [library]> select \* from Borrower;

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

| Rollin | Name | DateofIssue | NameofBook | status |

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

| 21 | library | 2017-10-03 | Theory of Computation | I |

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

1 row in set (0.03 sec)

MariaDB [library]> insert into Borrower values(22,"amar","2017-9-3","Rich Dad Poor Dad",'I');

Query OK, 1 row affected (0.02 sec)

MariaDB [library]> insert into Borrower values(23,"aditya","2017-8-3","Two states",'I');

Query OK, 1 row affected (0.03 sec)

MariaDB [library]> insert into Borrower values(24,"swaraj","2017-7-3","Titanic",'I');

Query OK, 1 row affected (0.05 sec)

MariaDB [library]> select \* from Borrower;

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

| Rollin | Name | DateofIssue | NameofBook | status |

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

| 21 | library | 2017-10-03 | Theory ofComputation | I |

| 22 | amar | 2017-09-03 | Rich Dad Poor Dad | I |

| 23 | aditya | 2017-08-03 | Two states | I |

| 24 | swaraj | 2017-07-03 | Titanic | I |

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

4 rows in set (0.00 sec)

MariaDB [library]> create table Fine(Roll\_no int(30),Date date,Amt int(30));

Query OK, 0 rows affected (0.13 sec)

MariaDB [library]> delimiter //

MariaDB [library]> create procedure calc\_fine (in r int(2),in b char(20))

-> begin

-> declare doi date;

-> declare diff int(3);

-> select DateofIssue into doi from Borrower where Rollin=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 (0.43 sec)

MariaDB [library]> create procedure submit(in r int(2))

-> begin

-> update Borrower set status='R' where Rollin=r;

-> delete from Fine where Roll\_no=r;

-> end//

Query OK, 0 rows affected (0.00 sec)

MariaDB [library]> call calc\_fine(1,"Titanic");

-> //

Query OK, 1 row affected, 1 warning (0.10 sec)

MariaDB [library]> select \* from Borrower;

-> //

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

| Rollin | Name | DateofIssue | NameofBook | status |

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

| 21 | library | 2017-10-03 | Theory ofComputation | I |

| 22 | amar | 2017-09-03 | Rich Dad Poor Dad | I |

| 23 | aditya | 2017-08-03 | Two states | I |

| 24 | swaraj | 2017-07-03 | Titanic | I |

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

4 rows in set (0.00 sec)

MariaDB [library]> select \* from Fine;

-> //

Empty set (0.02 sec)

MariaDB [library]> call calc\_fine(24,"Titanic");

-> //

Query OK, 1 row affected (0.06 sec)

MariaDB [library]> select \* from Fine;

-> //

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

| Roll\_no | Date | Amt |

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

| 24 | 2017-10-03 | 4600 |

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

1 row in set (0.00 sec)

MariaDB [library]> call calc\_fine(21,"Theory ofComputation");

-> //

Query OK, 1 row affected (0.03 sec)

MariaDB [library]> call calc\_fine(22,"Rich Dad Poor Dad");

-> //

Query OK, 1 row affected (0.03 sec)

MariaDB [library]> call calc\_fine(23,"Two States");

-> //

Query OK, 1 row affected (0.04 sec)

MariaDB [library]> select \* from Fine;

-> //

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

| Roll\_no | Date | Amt |

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

| 24 | 2017-10-03 | 4600 |

| 22 | 2017-10-03 | 150 |

| 23 | 2017-10-03 | 3050 |

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

3 rows in set (0.00 sec)

MariaDB [library]> call submit(21);

-> //

Query OK, 0 rows affected (0.06 sec)

MariaDB [library]> call submit(22);

-> //

Query OK, 1 row affected (0.08 sec)

MariaDB [library]> call submit(23);

-> call submit(23);

-> //

Query OK, 1 row affected (0.03 sec)

Query OK, 0 rows affected (0.07 sec)

MariaDB [library]> call submit(24);

-> //

Query OK, 1 row affected (0.10 sec)

MariaDB [library]> select \* from Fine;

-> //

Empty set (0.00 sec)

MariaDB [library]> select \* from Borrower;

-> //

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

| Rollin | Name | DateofIssue | NameofBook | status |

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

| 21 | library | 2017-10-03 | Theory ofComputation | R |

| 22 | amar | 2017-09-03 | Rich Dad Poor Dad | R |

| 23 | aditya | 2017-08-03 | Two states | R |

| 24 | swaraj | 2017-07-03 | Titanic | R |

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

4 rows in set (0.00 sec)

MariaDB [library]> Ctrl-C -- exit!

Aborted

[root@localhost student]#