mysql> use dbmsla5;

mysql> create table Borrower(

-> rollno INT,s

-> name VARCHAR(20),

-> DOI Date,

-> nameOfBook VARCHAR(50),

-> Status VARCHAR(10));

mysql> desc Borrower;

mysql> create table Fine(

-> rollno INT,

-> DOR Date,

-> amt INT);

mysql> desc Fine;

mysql> insert into Borrower values(1,’Durvesh’,'2020-09-01','Algorithms','Issued');

Query OK, 1 row affected (0.21 sec)

mysql> insert into Borrower values(2,'Aditi','2020-08-25','Walk Through the Stars','Issued');

Query OK, 1 row affected (0.08 sec)

mysql> insert into Borrower values(3,'Eesha','2020-08-27','Digital Marketing','Issued');

Query OK, 1 row affected (0.08 sec)

mysql> insert into Borrower values(4,'Atharva','2020-08-01','Python Ultimatum','Issued');

Query OK, 1 row affected (0.09 sec)

mysql> insert into Borrower values(5,'Vishwa','2020-07-30','Android Development','Issued');

Query OK, 1 row affected (0.07 sec)

mysql> select \* from Borrower;

mysql> select \* from Fine;

mysql> delimiter //

mysql> create procedure CalculateFine(IN rollno Integer, IN bname VARCHAR(50))

-> begin

-> declare fine integer;

-> declare noOfDays integer;

-> declare issueDate Date;

-> select DOI into issueDate from Borrower where Borrower.rollno = rollno and Borrower.nameOfBook = bname;

-> select datediff(sysdate(), issueDate) into noOfDays;

-> if noOfDays>=15 and noOfDays<=30 then

-> set fine = (5\*noOfDays);

-> end if;

-> if noOfDays>30 then

-> set fine = (50\*noOfDays);

-> end if;

-> insert into Fine values(rollno, sysdate(), fine);

-> update Borrower set Status='Received' where Borrower.rollno = rollno;

-> end;

-> //

mysql> show create procedure CalculateFine;

-> //

mysql> select \* from Borrower;

-> //

mysql> delimiter ;

mysql> select \* from Fine;

mysql> call CalculateFine(4,'Mechatronics');

mysql> select \* from Borrower;

mysql> select \* from Fine;







