Assignment No 4

mysql> use TEA32

Database changed

mysql> select \* from Borrower;

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

| RollNo | Name | Dateofissue | Nameofbook | status |

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

| 1 | shiva | 2022-08-23 | DBMS | I |

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

1 row in set (0.00 sec)

mysql> drop procedure if exists p\_fine;  
  
  mysql> delimiter //  
  
  mysql>  create procedure p\_fine(IN rno int,IN  bname varchar(20))  
   mysql> begin  
  
   mysql> declare d1 date;      
   mysql>  declare daycnt int;  
   mysql> declare fine\_amt int;  
  
     
  mysql>  SELECT DateofIssue into d1 FROM Borrower

  mysql> WHERE Roll\_no = rno and book= bname;  
       
  mysql> select DATEDIFF(now(),d1) into daycnt;  
         
  mysql> if(daycnt >= 15 and daycnt <= 30) then  
           
  mysql> set fine\_amt := daycnt \* 5;  
             
        mysql> insert into Fine(Roll\_no,sDate,Amt) values (rno,now(),fine\_amt);  
                                                     
      mysql> update Borrower set status = 'R' where Roll\_no = rno;  
                   
      mysql> ELSEIF(daycnt > 30) then  
         
       mysql> set fine\_amt := daycnt \* 50;  
             
      mysql> insert into Fine(Roll\_no,sDate,Amt) values (rno,now(),fine\_amt);  
                                                     
      mysql> update Borrower set status = 'R' where Roll\_no = rno;  
                   
     mysql> else  
           
    mysql> update Borrower set status = 'R' where Roll\_no = rno;  
                 
    mysql> end if;      
  
    mysql> end;  
 mysql> //  
  
 mysql> delimiter ;

mysql> call p\_fine(1,'DBMS');

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from Fine;

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

| Rollno | Date | Amt |

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

| 1 | 2024-08-13 | 36050 |

| 1 | 2024-08-13 | 36050 |

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

2 rows in set (0.00 sec)

mysql> select \* from Borrower;

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

| RollNo | Name | Dateofissue | Nameofbook | status |

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

| 1 | shiva | 2022-08-23 | DBMS | R |

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

1 row in set (0.00 sec)