**Assignment 5**

**1) Create two tables**

Create table Borrower (Roll\_No int(3),Name varchar(10),DateofIssue Date,Nameofbook

varchar(20),Status varchar(1))

create table fine(Roll\_no int int(3),Idate Date,Amt int(3))

mysql> select \* from Borrower;

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

| Roll\_No | Name | DateofIssue | Nameofbook | Status |

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

| 1 | Anita | 2018-08-05 | Java | I |

| 2 | Sonakshi | 2018-08-10 | Networking | I |

| 3 | Nira | 2018-08-13 | Mysql | R |

| 4 | Jagdish | 2018-07-05 | DBMS | R |

| 5 | Jayashree | 2018-08-09 | Mysql | I |

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

5 rows in set (0.00 sec)

mysql> select \* from fine\_table;

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

| Roll\_no | Idate | AMT |

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

| 1 | 2018-08-27 | 110 |

| 2 | 2018-08-27 | 85 |

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

2 rows in set (0.00 sec)

**Procedure :**

delimiter $

Create procedure fine(In rno1 int(3))

begin

Declare i\_date date;

Declare diff int;

Declare fine\_amt int;

select DateofIssue into i\_date from Borrower where Roll\_No=rno1;

SELECT DATEDIFF(CURDATE(), i\_date) into diff;

If (diff>=15 and diff<=30)then

SET fine\_amt=diff\*5;

insert into fine\_table values(rno1,CURDATE(),fine\_amt);

elseif (diff>30) then

SET fine\_amt=diff\*50;

insert into fine\_table values(rno1,CURDATE(),fine\_amt);

End if;

select diff;

select fine\_amt;

Update Borrower set status='R' where Roll\_No=rno1;

End $

delimiter ;

mysql>call fine(1);

+------+

| diff |

+------+

| 25 |

+------+

1 row in set (0.06 sec)

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

| fine\_amt |

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

| 125 |

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

1 row in set (0.06 sec)

Query OK, 1 row affected (0.10 sec)

And the tables are

mysql> select \* from Borrower;

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

| Roll\_No | Name | DateofIssue | Nameofbook | Status |

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

| 1 | Anita | 2018-08-05 | Java | R |

| 2 | Sonakshi | 2018-08-10 | Networking | I |

| 3 | Nira | 2018-08-13 | Mysql | R |

| 4 | Jagdish | 2018-07-05 | DBMS | R |

| 5 | Jayashree | 2018-08-09 | Mysql | I |

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

5 rows in set (0.00 sec)

mysql> select \* from fine\_table;

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

| Roll\_no | Idate | AMT |

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

| 1 | 2018-08-27 | 110 |

| 2 | 2018-08-27 | 85 |

| 1 | 2018-08-30 | 125 |

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

3 rows in set (0.00 sec)

mysql>