

```
C:\Users\hp>mysql -u root -p
```

```
Enter password: *****
```

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

```
Your MySQL connection id is 8
```

```
Server version: 8.0.31 MySQL Community Server - GPL
```

```
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```

```
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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 (0.05 sec)
```

```
mysql> use library;
```

```
Database changed
```

```
mysql> create table borrower(Roll_no int, BName varchar(20), DateofIssue date, NameofBook  
varchar(30), Status char(1));
```

```
Query OK, 0 rows affected (0.11 sec)
```

```
mysql> create table fine (Roll_no int,CurrDate date,Amt int);
```

```
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> alter table borrower add primary key (Roll_no);
```

```
Query OK, 0 rows affected (0.05 sec)
```

```
Records: 0  Duplicates: 0  Warnings: 0
```

```
mysql> insert into borrower values(1,'abc','2023-08-01','DBMS','I');
```

```
Query OK, 1 row affected (0.02 sec)
```

```
mysql> insert into borrower
```

```
values(2,'xyz','2023-07-11','MYSQL','I'),(3,'lmn','2023-08-15','PL/SQL','I');
```

```
Query OK, 2 rows affected (0.01 sec)
```

```
Records: 2  Duplicates: 0  Warnings: 0
```

```
mysql> select * from borrower;
```

```
+-----+-----+-----+-----+-----+
| Roll_no | BName | DateofIssue | NameofBook | Status |
+-----+-----+-----+-----+-----+
| 1 | abc | 2023-08-01 | DBMS | I |
| 2 | xyz | 2023-07-11 | MYSQL | I |
| 3 | Imn | 2023-08-15 | PL/SQL | I |
+-----+-----+-----+-----+-----+
```

```
3 rows in set (0.01 sec)
```

```
mysql> select * from fine;
```

```
Empty set (0.00 sec)
```

```
mysql> delimiter $
```

```
mysql> create procedure calfine(Rollno int(10), Bname1 varchar(30))
```

```
-> begin
```

```
-> declare ldate date;
```

```
-> declare fine int(20);
```

```
-> declare day int(20);
```

```
-> select DateofIssue into ldate from borrower where Roll_no=Rollno and Bname=Bname1;
```

```
-> set day=DATEDIFF(CURDATE(),ldate);
```

```
-> IF(day>=15 and day<=30) then
```

```
-> set fine=day*5;
```

```
-> ELSEIF(day>30)then
```

```
-> set fine=day*50;
```

```
-> end IF;
```

```
-> update borrower set status='R' where Roll_no=Rollno and Bname=Bname1;
```

```
-> IF (fine is not null) then
```

```
-> insert into fine values (Rollno, CURDATE(),fine);
```

```
-> end IF;
```

```
-> end $
```

```
Query OK, 0 rows affected, 3 warnings (0.04 sec)
```

```
mysql> call calfine(3,'Imn')$
```

```
Query OK, 1 row affected (0.02 sec)
```

```
mysql> select * from fine$
```

```
+-----+-----+-----+
| Roll_no | CurrDate | Amt |
+-----+-----+-----+
| 3 | 2023-09-13 | 145 |
+-----+-----+-----+
```

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

```
mysql> select * from borrower$
```

```
+-----+-----+-----+-----+-----+
| Roll_no | BName | DateofIssue | NameofBook | Status |
+-----+-----+-----+-----+-----+
|    1 | abc  | 2023-08-01  | DBMS      | I      |
|    2 | xyz  | 2023-07-11  | MYSQL     | I      |
|    3 | lmn  | 2023-08-15  | PL/SQL    | R      |
+-----+-----+-----+-----+-----+
```

```
3 rows in set (0.00 sec)
```