

```
mysql> CREATE TABLE BORROW(  
-> ROLL_NO INTEGER PRIMARY KEY,  
-> NAME VARCHAR(50),  
-> DATEOFISSUE DATE,  
-> NAMEOFBOOK VARCHAR(50),  
-> STATUS VARCHAR(50));
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> CREATE TABLE FINE(  
-> ROLL_NO INTEGER PRIMARY KEY,  
-> DATEOFRETURN DATE,  
-> AMT INTEGER);
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> INSERT INTO BORROW VALUES(1, 'A', '2022-08-15', 'JAVA', 'I');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> INSERT INTO BORROW VALUES(2, 'B', '2022-08-05', 'CNS', 'I');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO BORROW VALUES(3, 'C', '2022-08-01', 'DBMS', 'I');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO BORROW VALUES(4, 'D', '2022-09-01', 'SPOS', 'I');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> DELIMITER $
```

```
mysql> CREATE PROCEDURE FINE_CALCULATION(IN RNO INT, BOOKNAME VARCHAR(20))  
-> BEGIN  
-> DECLARE ISSUEDATE DATE;  
-> DECLARE DIFF INT;  
-> DECLARE FINE_AMT INT;  
-> DECLARE EXIT HANDLER FOR SQLEXCEPTION SELECT 'TABLE NOT FOUND';  
-> SELECT DATEOFISSUE INTO ISSUEDATE FROM BORROW WHERE ROLL_NO=RNO AND  
NAMEOFBOOK=BOOKNAME;  
-> SELECT DATEDIFF(CURDATE(), ISSUEDATE) INTO DIFF;  
-> IF(DIFF>15 AND DIFF<30) THEN  
-> SET FINE_AMT = DIFF*5;  
-> INSERT INTO FINE VALUES(RNO, CURDATE(), FINE_AMT);  
-> ELSEIF(DIFF>30) THEN  
-> SET FINE_AMT = DIFF*50;  
-> INSERT INTO FINE VALUES(RNO, CURDATE(), FINE_AMT);  
-> ELSEIF(DIFF<15) THEN  
-> SET FINE_AMT = 0;
```

```

-> INSERT INTO FINE VALUES(RNO, CURDATE(), FINE_AMT);
-> END IF;
-> UPDATE BORROW SET STATUS = 'R' WHERE ROLL_NO=RNO AND
NAMEOFBOOK=BOOKNAME;
-> END;
-> $

```

Query OK, 0 rows affected (0.02 sec)

```

mysql> DELIMITER ;
mysql> CALL FINE_CALCULATION(3, 'DBMS');
Query OK, 1 row affected (0.02 sec)

```

```

mysql> CALL FINE_CALCULATION(4, 'SPOS');
Query OK, 1 row affected (0.01 sec)

```

```

mysql> CALL FINE_CALCULATION(2, 'CNS');
Query OK, 1 row affected (0.01 sec)

```

```

mysql> CALL FINE_CALCULATION(1, 'JAVA');
Query OK, 1 row affected (0.01 sec)

```

```

mysql> SELECT *FROM FINE;

```

ROLL_NO	DATEOFRETURN	AMT
1	2022-09-10	130
2	2022-09-10	1800
3	2022-09-10	2000
4	2022-09-10	0

4 rows in set (0.00 sec)

```

mysql> SELECT *FROM BORROW;

```

ROLL_NO	NAME	DATEOFISSUE	NAMEOFBOOK	STATUS
1	A	2022-08-15	JAVA	R
2	B	2022-08-05	CNS	R
3	C	2022-08-01	DBMS	R
4	D	2022-09-01	SPOS	R

4 rows in set (0.00 sec)