```
mysql> create database library;
Query OK, 1 row affected (0.01 sec)

mysql> use library;
Database changed
mysql> CREATE TABLE Borrower (
    ->      Rollno INT(4),
    ->      Name VARCHAR(20),
    ->      DateofIssue DATE,
    ->      NameofBook VARCHAR(30),
    ->      Status VARCHAR(10)
    -> );
Query OK, 0 rows affected, 1 warning (0.06 sec)

mysql> INSERT INTO Borrower VALUES
    -> (41, 'Suhaib', '2022-09-19', 'Operating System', 'I'),
    -> (05, 'Kajal', '2022-07-24', 'Object Oriented Programming', 'I'),
    -> (23, 'Muskan', '2022-06-12', 'Microprocessor', 'I'),
    -> (48, 'Mayur', '2022-04-19', 'Mechanics', 'I'),
    -> (47, 'Prince', '2022-05-20', 'DS', 'I'),
    -> (25, 'Rehan', '2022-06-21', 'DELD', 'I');
Query OK, 6 rows affected (0.01 sec)
Records: 6  Duplicates: 0  Warnings: 0

mysql> CREATE TABLE Fine (
    ->      Rollno INT(4),
    ->      Date DATE,
    ->      Amount INT(10)
    -> );
Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql>
mysql> DELIMITER //
mysql> CREATE PROCEDURE calc_Fine(IN r INT, IN b VARCHAR(30))
    -> BEGIN
    ->      DECLARE doi DATE;
    ->      DECLARE diff INT;
    -> SELECT DateofIssue INTO doi
    ->      FROM Borrower
    ->      WHERE Rollno = r AND NameofBook = b;
    ->  SELECT DATEDIFF(CURDATE(), doi) INTO diff;
    ->  IF diff >= 15 AND diff <= 30 THEN
    ->          INSERT INTO Fine VALUES(r, CURDATE(), diff * 5);
    ->      END IF;
    ->  IF diff > 30 THEN
    ->          INSERT INTO Fine VALUES(r, CURDATE(), diff * 50);
    ->      END IF;
    -> END //
Query OK, 0 rows affected (0.01 sec)

mysql> CREATE PROCEDURE submit(IN r INT)
    -> BEGIN
    ->      UPDATE Borrower SET Status = 'R' WHERE Rollno = r;
    ->      DELETE FROM Fine WHERE Rollno = r;
```

```
    -> END //
Query OK, 0 rows affected (0.01 sec)

mysql> DELIMITER ;
mysql> CALL calc_Fine(41, 'Operating System');
Query OK, 1 row affected (0.02 sec)

mysql> CALL calc_Fine(05, 'Object Oriented Programming');
Query OK, 1 row affected (0.01 sec)

mysql> CALL calc_Fine(23, 'Microprocessor');
Query OK, 1 row affected (0.01 sec)

mysql> CALL calc_Fine(48, 'Mechanics');
Query OK, 1 row affected (0.01 sec)

mysql> CALL calc_Fine(47, 'DS');
Query OK, 1 row affected (0.00 sec)

mysql> CALL calc_Fine(25, 'DELD');
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM Fine;
+--------+------------+--------+
| Rollno | Date       | Amount |
+--------+------------+--------+
|     41 | 2024-10-10 |  37600 |
|      5 | 2024-10-10 |  40450 |
|     23 | 2024-10-10 |  42550 |
|     48 | 2024-10-10 |  45250 |
|     47 | 2024-10-10 |  43700 |
|     25 | 2024-10-10 |  42100 |
+--------+------------+--------+
6 rows in set (0.00 sec)

mysql> CALL submit(41);
Query OK, 1 row affected (0.02 sec)

mysql> CALL submit(05);
Query OK, 1 row affected (0.01 sec)

mysql> CALL submit(23);
Query OK, 1 row affected (0.01 sec)

mysql> CALL submit(48);
Query OK, 1 row affected (0.01 sec)

mysql> CALL submit(47);
Query OK, 1 row affected (0.01 sec)

mysql> CALL submit(25);
Query OK, 1 row affected (0.01 sec)

mysql>
```

```
mysql> SELECT * FROM Fine;
Empty set (0.00 sec)

mysql> SELECT * FROM Borrower;
+--------+--------+------------+---------------------------+--------+
| Rollno | Name   | DateofIssue | NameofBook               | Status |
+--------+--------+------------+---------------------------+--------+
|     41 | Suhaib | 2022-09-19 | Operating System          | R      |
|      5 | Kajal  | 2022-07-24 | Object Oriented Programming | R    |
|     23 | Muskan | 2022-06-12 | Microprocessor            | R      |
|     48 | Mayur  | 2022-04-19 | Mechanics                 | R      |
|     47 | Prince | 2022-05-20 | DS                        | R      |
|     25 | Rehan  | 2022-06-21 | DELD                      | R      |
+--------+--------+------------+---------------------------+--------+
6 rows in set (0.00 sec)
```