```
use practical1;
CREATE TABLE borrower(
roll_no INT,
name VARCHAR(50),
dateofissue DATE,
name_of_book VARCHAR(50),
 status varchar(1)
);
INSERT INTO borrower VALUES
(101, 'GANESH', '2022-08-01', 'DBMS', 'I'),
(102, 'ADITYA', '2022-09-18', 'AI', 'I'),
(103, 'OM', '2022-10-02', 'CN', 'I'),
(104, 'PAWAN', '2022-09-05', 'HCI', 'I');
CREATE TABLE fine(
    roll_no INT,
    date_of_return DATE,
    amt INT
);

DELIMITER
CREATE PROCEDURE CalculateFine(IN p_roll_no INT, IN p_book_name VARCHAR(50))
BEGIN
DECLARE v_issue_date DATE; DECLARE v_days INT; DECLARE v_fine INT;
-- Retrive the issue date from the Borrower table SELECT 'dateofissue' INTO v_issue_date
FROM borrower
WHERE roll_no = p_roll_no
AND 'name_of_book' = p_book_name;
-- calculate the number of days since issue
SET v_days = DATEDIFF(CURDATE(), v_issue_date);
-- Apply fine rules
IF v_days BETWEEN 15 AND 30 THEN
SET v_fine = v_days * 5; ELSEIF v_days > 30 THEN SET v_fine = v_days * 50; ELSE
SET v_fine = 0; END IF;
-- Insert the fine record into the Fine table if (v_fine is not null) then
INSERT INTO fine(roll_no, date_of_return, amt)
VALUES (p_roll_no, CURDATE(), v_fine);
-- Update Status in Borrower table UPDATE borrower
SET status = 'R'
WHERE roll_no = p_roll_no
AND `name_of_book` = p_book_name; End if;
END //
DELIMITER ;
-- Fine Table before procedure call:
SELECT * FROM Fine;
-- Procedure is Called
CALL CalculateFine(104,'AI');
-- Fine Table after procedure call:
SELECT * FROM fine;
-- GANESH
```