

A company wants to give a bonus of ₹5000 to employees whose salaries are less than ₹30,000. The

HR department maintains a database of employee records.

Schema:

- Employees(emp_id INT PRIMARY KEY, name VARCHAR(50), salary INT, bonus INT DEFAULT 0)

Tasks:

1. Write a stored procedure using a cursor that:

- Retrieves all employees with salary < ₹30,000
- Adds ₹5000 to their bonus column
- Displays their name and updated bonus value

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-- Stored Procedure: give_bonus_to_low_salary_employees
DELIMITER $$
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```
CREATE PROCEDURE give_bonus_to_low_salary_employees()
BEGIN
    -- Declare variables
    DECLARE done INT DEFAULT FALSE;
    DECLARE empName VARCHAR(50);
    DECLARE empId INT;
    DECLARE currentBonus INT;

    -- Cursor to select employees with salary < 30000
    DECLARE emp_cursor CURSOR FOR
        SELECT emp_id, name, bonus FROM Employees WHERE salary < 30000;

    -- Handler to exit loop
    DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;

    -- Open cursor
    OPEN emp_cursor;

    read_loop: LOOP
        FETCH emp_cursor INTO empId, empName, currentBonus;
        IF done THEN
            LEAVE read_loop;
        END IF;

        -- Update bonus
        UPDATE Employees
        SET bonus = bonus + 5000
        WHERE emp_id = empId;

        -- Show employee name and updated bonus
        SELECT empName AS Name, currentBonus + 5000 AS UpdatedBonus;
```

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END LOOP;

-- Close cursor
CLOSE emp_cursor;
END $$

DELIMITER ;

-- To Execute the Procedure:
CALL give_bonus_to_low_salary_employees();

-- Example Table Setup (if needed):
CREATE TABLE Employees (
    emp_id INT PRIMARY KEY,
    name VARCHAR(50),
    salary INT,
    bonus INT DEFAULT 0
);

INSERT INTO Employees (emp_id, name, salary)
VALUES
(1, 'Amit', 25000),
(2, 'Neha', 32000),
(3, 'Ravi', 28000),
(4, 'Pooja', 35000);
```