

PL/Sql-5 Write a PL/SQL Block to increase the salary of employees by 10% of existing salary, who are having salary less than average salary of organization, whenever such salary updates take place, a record for same is maintained in the increment_salary table. emp(emp_no, salary) increment_salary(emp_no, salary)

```
CREATE TABLE emp (
    emp_no INT PRIMARY KEY,
    salary DECIMAL(10,2)
);

CREATE TABLE increment_salary (
    emp_no INT,
    old_salary DECIMAL(10,2),
    new_salary DECIMAL(10,2),
    increment_date DATE
);

-- Sample Data
INSERT INTO emp VALUES
(101, 50000),
(102, 40000),
(103, 60000),
(104, 45000);

DELIMITER //

CREATE PROCEDURE Update_Salary()
BEGIN
    DECLARE avg_sal DECIMAL(10,2);
    DECLARE done INT DEFAULT 0;
    DECLARE v_emp INT;
    DECLARE v_salary DECIMAL(10,2);
    DECLARE v_new_salary DECIMAL(10,2);

    -- Cursor for employees whose salary is less than average
    DECLARE cur CURSOR FOR
        SELECT emp_no, salary FROM emp WHERE salary < (SELECT
        AVG(salary) FROM emp);

    DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;

    -- Calculate average salary
    SELECT AVG(salary) INTO avg_sal FROM emp;

    OPEN cur;

    read_loop: LOOP
        FETCH cur INTO v_emp, v_salary;
        IF done = 1 THEN
            LEAVE read_loop;
        END IF;
        v_new_salary := v_salary * 1.10;
        INSERT INTO increment_salary(emp_no, old_salary, new_salary, increment_date)
        VALUES(v_emp, v_salary, v_new_salary, NOW());
    END LOOP;
END;
```

```
END IF;

-- Calculate new salary (10% increase)
SET v_new_salary = v_salary * 1.10;

-- Update employee salary
UPDATE emp SET salary = v_new_salary WHERE emp_no = v_emp;

-- Insert record into increment_salary table
INSERT INTO increment_salary(emp_no, old_salary, new_salary,
increment_date)
VALUES (v_emp, v_salary, v_new_salary, CURDATE());

END LOOP;
CLOSE cur;
SELECT 'Salary update completed successfully!' AS Message;
```

```
END //
```

```
DELIMITER ;
```

```
Select * from emp;
```

```
#calling procedure
```

```
CALL Update_Salary();
```

```
SELECT * FROM emp;
```

```
SELECT * FROM increment_salary;
```