

**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;

-- 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;
```