

# Challenging Task IWP

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Reg. no. : - 20BCE10584

**Question)** In PL/SQL, create a programme that displays an appropriate message and adjusts an employee's compensation by 12% if it is higher than the median wage for their position, or brings it up to the median if it is lower.

Ans :

PL/SQL

```
DECLARE
    median_salary NUMBER;
    employee_salary NUMBER;
    employee_position VARCHAR2(50);
BEGIN
    SELECT position, salary INTO employee_position, employee_salary
    FROM employees
    WHERE employee_id = :employee_id; -- Replace with the actual employee ID

    -- Get the median salary for the employee's position
    SELECT MEDIAN(salary) INTO median_salary
    FROM employees
    WHERE position = employee_position;

    -- Adjust the employee's salary if necessary
    IF employee_salary > median_salary THEN
        -- Employee's salary is higher than the median
        employee_salary := employee_salary * 1.12;
        DBMS_OUTPUT.PUT_LINE('Employee ' || :employee_id || ' has received a 12%
salary increase.');
```

```
    ELSIF employee_salary < median_salary THEN
        -- Employee's salary is lower than the median
        employee_salary := median_salary;
        DBMS_OUTPUT.PUT_LINE('Employee ' || :employee_id || ' has received a salary
increase to the median for their position.');
```

```
    ELSE
        DBMS_OUTPUT.PUT_LINE('Employee ' || :employee_id || ' is already at the median
salary for their position.');
```

```
    END IF;

    -- Update the employee's salary in the database
    UPDATE employees
    SET salary = employee_salary
```

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WHERE employee_id = :employee_id; -- Replace with the actual employee ID  
END;
```

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