

## Calculate Special Bonus

### Question:

<https://leetcode.com/problems/calculate-special-bonus/>

CUSTOMER	
Column	Type
employee_id	int
name	varchar
salary	int

employee\_id is the primary key for this table.

Each row of this table indicates the employee ID, employee name, and salary.

**Write an SQL query to calculate the bonus of each employee. The bonus of an employee is 100% of their salary if the ID of the employee is an odd number and the employee name does not start with the character 'M'. The bonus of an employee is 0 otherwise.**

**Return the result table ordered by employee\_id.**

## Query 1

This was a clear if-else question.

To implement **IF-ELSE** in **SQL**, we use **CASE WHEN**.

We have 2 conditions for our **IF** case. When the **employee\_id** is **odd** **AND** the **name** does not start from **M**, the **bonus** is equal to **salary**.

Else, the **bonus** is **0**.

```
SELECT
    employee_id,
    CASE WHEN (employee_id % 2 != 0) AND
        (name NOT LIKE 'M%') THEN salary
    ELSE 0
END AS bonus
FROM Employees
ORDER BY employee_id
```

Luckily, my first query turned out to be the best query. Although there are 2 other ways of writing the **name NOT LIKE 'M%'** query using **LEFT(name,1)!='M'** and **SUBSTRING(name,1,1)!='M'**.

But all of the 3 ways had almost identical times so I have just described one of them.