

Calculate Special Bonus

Question:

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

EMPLOYEES	
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.