

181. Employees Earning More Than Their Managers

Easy

 Topics

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Table: `Employee`

+-----+-----+		
Column Name	Type	
+-----+-----+		
id	int	
name	varchar	
salary	int	
managerId	int	
+-----+-----+		

`id` is the primary key (column with unique values) for this table.

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

Write a solution to find the employees who earn more than their managers.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

Input:

Employee table:

id	name	salary	managerId
1	Joe	70000	3
2	Henry	80000	4
3	Sam	60000	Null
4	Max	90000	Null

Output:

Employee
Joe

Explanation: Joe is the only employee who earns more than his manager.

MySQL:

Write your MySQL query statement below

```
SELECT e.name AS Employee
FROM Employee e
JOIN Employee m
  ON e.managerId = m.id
WHERE e.salary > m.salary;
```

Pandas:

import pandas as pd

def find_employees(employee: pd.DataFrame) -> pd.DataFrame:

```
# Perform self-join: employee joins with manager (on employee.managerId == manager.id)
merged = employee.merge(
    employee,
    left_on="managerId",
    right_on="id",
    suffixes=("", "_manager")
)
```

```
# Filter where employee's salary is greater than manager's salary
result = merged[merged["salary"] > merged["salary_manager"]]
```

```
# Return only the employee names
return result[["name"]].rename(columns={"name": "Employee"})
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```

```
SELECT e.name AS Employee
```

```
FROM Employee e
```

```
JOIN Employee m
```

```
    ON e.managerId = m.id
```

```
WHERE e.salary > m.salary;
```