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May LeetCode Challenge

Description Solution Submissions Discuss (86)

1270. All People Report to the Given Manager

Medium 61 6 Add to List Share

SQL Schema >

Table: Employees

```
+-----+-----+
| Column Name | Type   |
+-----+-----+
| employee_id | int    |
| employee_name | varchar |
| manager_id | int    |
+-----+-----+
```

employee_id is the primary key for this table.

Each row of this table indicates that the employee with ID employee_id and name employee_name reports his work to his/her direct manager with manager_id.

The head of the company is the employee with employee_id = 1.

Write an SQL query to find employee_id of all employees that directly or indirectly report their work to the head of the company.

The indirect relation between managers will not exceed 3 managers as the company is small.

Return result table in any order without duplicates.

The query result format is in the following example:

Employees table:

```
+-----+-----+-----+
| employee_id | employee_name | manager_id |
+-----+-----+-----+
| 1           | Boss          | 1           |
| 3           | Alice          | 3           |
| 2           | Bob            | 1           |
| 4           | Daniel         | 2           |
| 7           | Luis           | 4           |
| 8           | Jhon           | 3           |
| 9           | Angela         | 8           |
| 77          | Robert          | 1           |
+-----+-----+-----+
```

Result table:

```
+-----+
| employee_id |
+-----+
| 2           |
| 77          |
| 4           |
| 7           |
+-----+
```

The head of the company is the employee with employee_id 1.
The employees with employee_id 2 and 77 report their work directly to the head of the company.
The employee with employee_id 4 report his work indirectly to the head of the company 4 → 2 → 1.
The employee with employee_id 7 report his work indirectly to the head of the company 7 → 4 → 2 → 1.
The employees with employee_id 3, 8 and 9 don't report their work to head of company directly or indirectly.

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Seen this question in a real interview before?

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Companies

MySQL

Write your MySQL query statement below

Console ▾ Contribute ↴

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