570. Managers with at Least 5 Direct Reports

July 10, 2017 | 16.5K views

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The `Employee` table holds all employees including their managers. Every employee has an Id, and there is also a column for the manager Id.

```
+------+--------+-----------+-----------+
|Id    |Name    |Department |ManagerId  |
+------+--------+-----------+-----------+
|101   |John    |A          |null       |
|102   |Dan     |A          |101        |
|103   |James   |A          |101        |
|104   |Amy     |A          |101        |
|105   |Anne    |A          |101        |
|106   |Ron     |B          |101        |
+------+--------+-----------+-----------+
```

Given the `Employee` table, write a SQL query that finds out managers with at least 5 direct report. For the above table, your SQL query should return:

```
+--------+
| Name   |
+--------+
| John   |
+--------+
```

Note:
No one would report to himself.

Solution

Approach: Using `JOIN` and a temporary table [Accepted]

Algorithm

First, we can get the Id of the manager having more than 5 direct reports just using this *ManagerId* column.
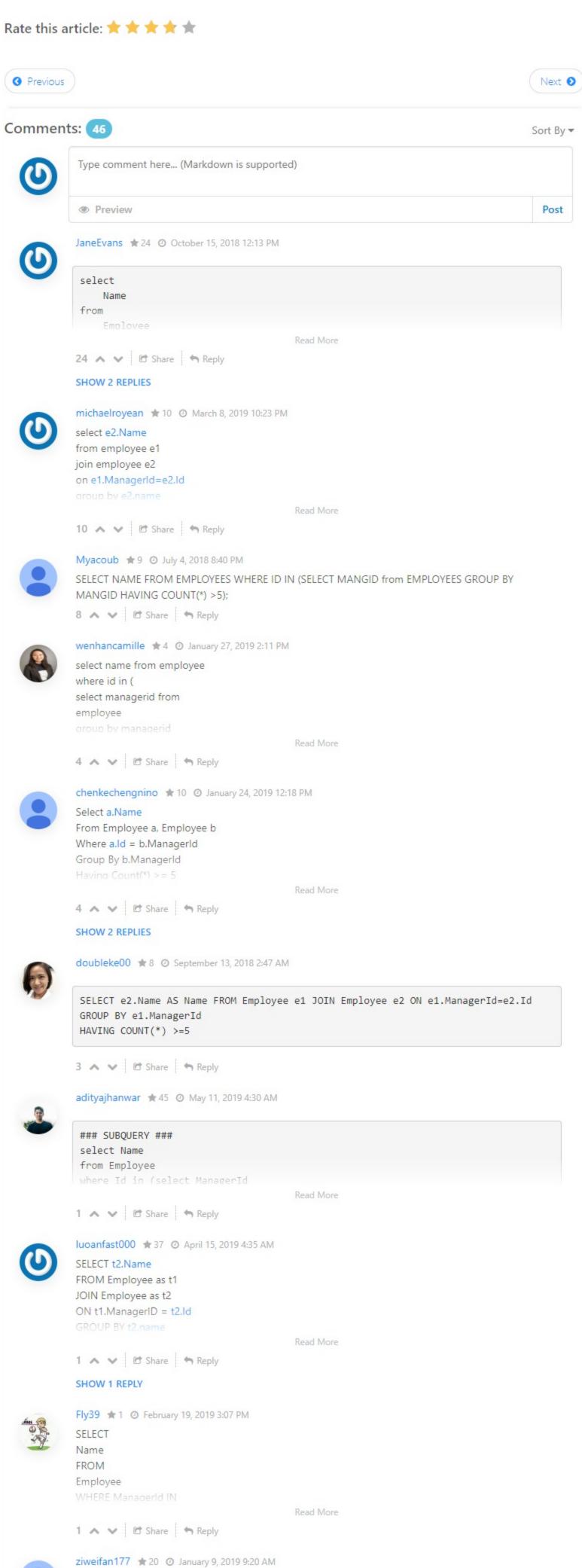
Then, we can get the name of this manager by join that table with the **Employee** table.

MySQL

```
SELECT
    Name
FROM
    Employee AS t1 JOIN
    (SELECT
        ManagerId
    FROM
        Employee
    GROUP BY ManagerId
    HAVING COUNT(ManagerId) >= 5) AS t2
    ON t1.Id = t2.ManagerId
;
```

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JaneEvans ★ 24 ⏱ October 15, 2018 12:13 PM

```
select
    Name
from
    Employee
```
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michaelroyean ★ 10 ⏱ March 8, 2019 10:23 PM

select e2.Name
from employee e1
join employee e2
on e1.ManagerId=e2.Id
group by e2.name
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Myacoub ★ 9 ⏱ July 4, 2018 8:40 PM

SELECT NAME FROM EMPLOYEES WHERE ID IN (SELECT MANGID from EMPLOYEES GROUP BY MANGID HAVING COUNT(*) >5):

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wenhancamille ★ 4 ⏱ January 27, 2019 2:11 PM

select name from employee
where id in (
select managerid from
employee
group by managerid
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chenkechengnino ★ 10 ⏱ January 24, 2019 12:18 PM

Select a.Name
From Employee a, Employee b
Where a.id = b.ManagerId
Group By b.ManagerId
Having Count(*) >= 5

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doubleke00 ★ 8 ⏱ September 13, 2018 2:47 AM

```
SELECT e2.Name AS Name FROM Employee e1 JOIN Employee e2 ON e1.ManagerId=e2.Id
GROUP BY e1.ManagerId
HAVING COUNT(*) >=5
```

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adityajhanwar ★ 45 ⏱ May 11, 2019 4:30 AM

```
### SUBQUERY ###
select Name
from Employee
where Id in [select ManagerId
```
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luoanfast000 ★ 37 ⏱ April 15, 2019 4:35 AM

SELECT t2.Name
FROM Employee as t1
JOIN Employee as t2
ON t1.ManagerID = t2.Id
GROUP BY t2.name
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Fly39 ★ 1 ⏱ February 19, 2019 3:07 PM

SELECT
Name
FROM
Employee
WHERE ManagerId IN
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ziweifan177 ★ 20 ⏱ January 9, 2019 9:20 AM

SELECT DISTINCT(Name)
FROM leetcode.employee
WHERE Id IN(
SELECT DISTINCT(ManagerId)
FROM leetcode.employee
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