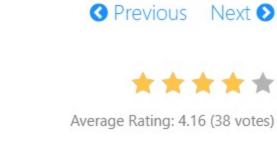
**≢** Articles > 185. Department Top Three Salaries ▼

185. Department Top Three Salaries

July 11, 2017 | 79.4K views



**f y in** 

department Id.

The **Employee** table holds all employees. Every employee has an Id, and there is also a column for the

```
Salary | DepartmentId
         Name
                 85000
         Joe
                 80000
         Henry
                 60000
         Sam
         Max
                 90000
                 69000
         Janet
                 85000
         Randy
         Will
                 70000
The Department table holds all departments of the company.
```

Name

```
IT
          Sales
  +---+
Write a SQL query to find employees who earn the top three salaries in each of the department. For the
above tables, your SQL query should return the following rows (order of rows does not matter).
```

Department | Employee | Salary

```
90000
    IT
                   Max
                                85000
                   Randy
    IT
    ΙT
                   Joe
                                85000
                   Will
    IT
                                70000
                   Henry
    Sales
                                80000
    Sales
                                60000
                   Sam
Explanation:
In IT department, Max earns the highest salary, both Randy and Joe earn the second highest salary, and Will
earns the third highest salary. There are only two employees in the Sales department, Henry earns the
```

## Solution

select e1.Name as 'Employee', e1.Salary

Approach: Using JOIN and sub-query [Accepted]

highest salary while Sam earns the second highest salary.

## from Employee e1 where 3 >

Max

Randy

90000

85000

**Algorithm** 

select count(distinct e2.Salary)

A top 3 salary in this company means there is no more than 3 salary bigger than itself in the company.

```
from Employee e2
      where e2.Salary > e1.Salary
In this code, we count the salary number of which is bigger than e1. Salary. So the output is as below for the
sample data.
    Employee | Salary
    Henry
                80000
```

SELECT

d.Name AS 'Department', e1.Name AS 'Employee', e1.Salary

COUNT(DISTINCT e2.Salary)

Then, we need to join the **Employee** table with **Department** in order to retrieve the department information.

## Department d ON e1.DepartmentId = d.Id WHERE 3 > (SELECT

FROM

Employee e1

JOIN

MySQL

```
FROM
          Employee e2
      WHERE
          e2.Salary > e1.Salary
              AND e1.DepartmentId = e2.DepartmentId
Department | Employee | Salary
IT
                        70000
             Joe
Sales
             Henry
                        80000
Sales
             Sam
                        60000
ΙT
                        90000
             Max
IT
             Randy
                        85000
```

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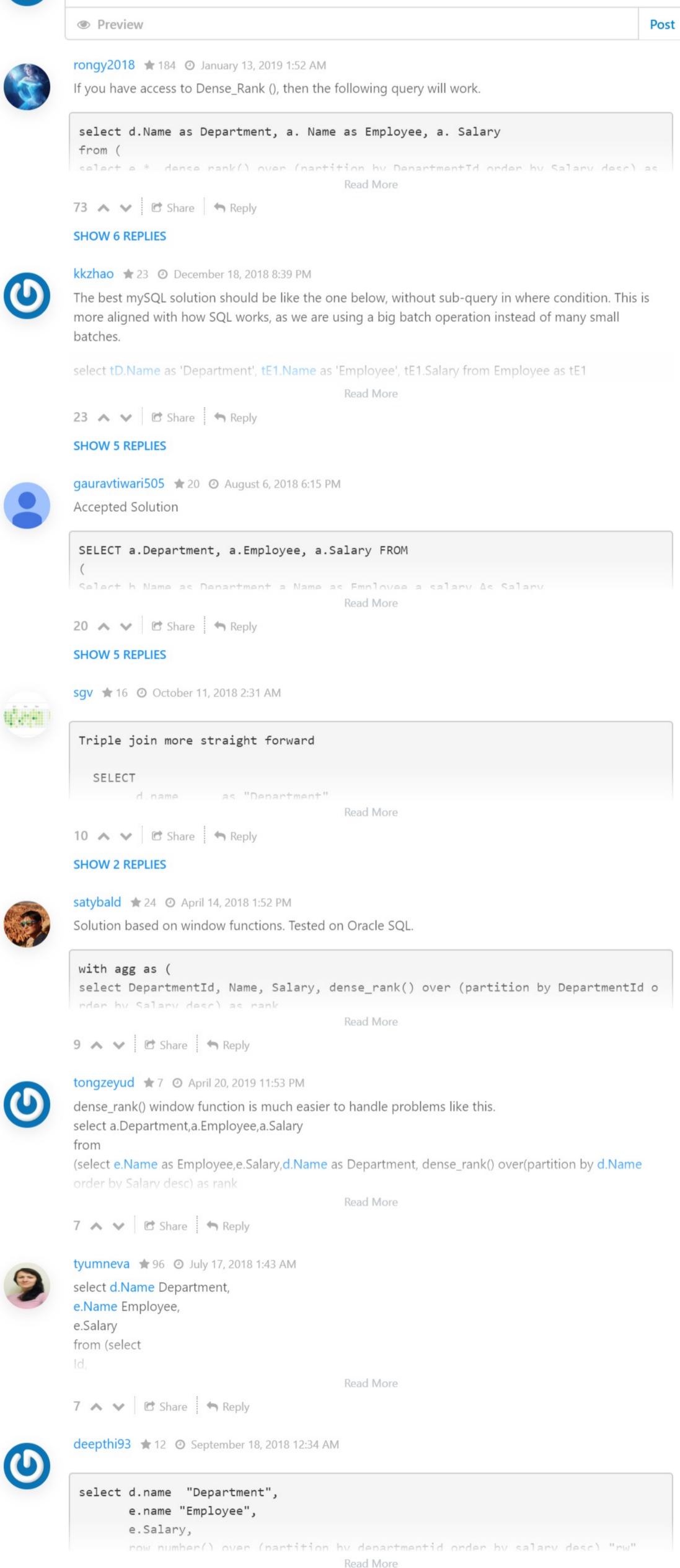
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(12345678)

venkateshgovind 🖈 2 🗿 July 6, 2018 4:58 AM

/\* Write your T-SQL query statement below \*/

select d.Name as Department, i.Name as Employee, i.Salary

felix-citycs ★ 4 ② June 11, 2018 10:14 AM

I think there's a problem on the judge engineer...For this test case below it returns top FOUR salaries

Write a SQL query to find employees who earn the top three salaries in each of the department. For

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from ONE department. Please Leetcode take a look into this question?

For some reason WITH TIES is not yielding the correct results in MSSQLServer.

**SHOW 9 REPLIES** 

Requirement:

**SHOW 1 REPLY** 

Department d

from