

olivia612
★ 78
Last Edit: September 8, 2019 3:20 AM
1.1K VIEWS

12

MSSQL solution using Window Function. Runtime: 1098 ms

```

select t.project_id, t.employee_id
from
    (select project_id,
     p.employee_id,
     rank() over(partition by project_id order by experience_years desc) as rank
    from Project p join Employee e
    on p.employee_id = e.employee_id) t
where t.rank = 1;
        
```

MSSQL solution using With function instead of sub-query.

```

with employee_experience as (
    select p.project_id, p.employee_id,
    rank() over(partition by p.project_id order by experience_years desc) as rank
    from Project p join Employee e
    on p.employee_id = e.employee_id)

select project_id, employee_id
from employee_experience
where rank = 1;
        
```

MySQL solution using subquery. Runtime: 278 ms

```

select p.project_id, p.employee_id
from Project p join Employee e
on p.employee_id = e.employee_id
where (p.project_id, e.experience_years) in (
    select a.project_id, max(b.experience_years)
    from Project a join Employee b
    on a.employee_id = b.employee_id
    group by a.project_id);
        
```

rank
mssql
subquery
window function

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jeans1128
★ 0
March 9, 2020 4:40 AM

Don't know why, but when copy and paste 1st solution, it gives an error saying check syntax in rank over partition by line. Does anyone know why it doesn't work?

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akhil1311
★ 123
January 31, 2020 7:47 AM

Hey there..nice solution. I didn't know that window function orders by with same rank for duplicate values. Got to know that now, on seeing your solution. Thanks!

0
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zhengyaojun1204
★ 1
December 23, 2019 9:33 AM

why this one does not work?

Write your MySQL query statement below

```

select p.project_id, p.employee_id from Project p
left join Employee e on p.employee_id = e.employee_id
where e.experience_years in (
    select max(e2.experience_years) from Project p2
    join Employee e2 on p2.employee_id = e2.employee_id
    group by p2.project_id)
        
```

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