

```
# COUNT, Left Join, Alias, MAX
# where streak = win, ifnull
# select player_id and longest streak
```

```
select player_id,count(*) from winning_streak
where result = 'Win'
group by player_id;
```

```
select * from winning_streak;
```

```
select w.player_id,ifnull(max(t2.win_cnt),0) as longest_streak from winning_streak w
LEFT JOIN
(
select player_id,result,
(matches_played - streak) as wins,
count(matches_played - streak) as win_cnt from
(
select *,
dense_rank() over(partition by player_id order by match_day) as matches_played,
dense_rank() over(partition by player_id,result order by match_day) as streak
from winning_streak
order by player_id,matches_played
) t1
where t1.result = 'Win'
group by player_id,wins
) t2
ON w.player_id = t2.player_id
group by w.player_id;
```

```
#####
SELECT
player_id,
SUM(CASE WHEN (total_matches - streak) = 0 and result = 'Win' THEN 1 ELSE 0 END)
AS longest_streak
FROM (
SELECT *,
RANK() over(PARTITION BY player_id ORDER BY match_day) as total_matches,
RANK() over(PARTITION BY player_id,result ORDER BY match_day) as streak
FROM winning_streak
ORDER by player_id, total_matches) as t
GROUP BY player_id
ORDER BY player_id;
```

```
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```

```
select player_id, sum(if(result='Win' and lag_result='Win' or result='Win' and lag_result is
null,1,0))as longest_streak
from
(
select player_id,match_day,result,
(lag(result) over(partition by player_id order by match_day))
as lag_result from winning_streak)as lag_result_table
group by player_id;
```

```
select
employee_id ,
first_name,
salary,
department_id,
row_number() OVER(partition by department_id order by salary) as rnk
from employees
```