

SQL Queries Report

Select All Data

```
select * from user_sub
```

1. List all distinct users and their stats

```
select username,  
       count(id) as total_submissions,  
       sum(points)  
from user_sub  
group by username  
order by total_submissions desc
```

2. Calculate daily average points for each user

```
select To_Char(submitted_at,'DD-MM') as day,  
       username,  
       avg(points) as Avg_points  
from user_sub  
group by day, username
```

3. Find the top 3 users with the most correct submissions for each day

```
with cte as (  
    select to_char(submitted_at,'DD-MM') as day, username,  
           sum(case when points > 0 then 1 else 0 end) as correct_submissions  
    from user_sub  
    group by username, day  
)  
ranked as (  
    select day, username, correct_submissions,  
           dense_rank() over(partition by day order by correct_submissions desc) as rn  
    from cte  
)  
select day, username, correct_submissions  
from ranked  
where rn <= 3  
order by day, rn
```

4. Find the top 5 users with the highest number of incorrect submissions

```
select username,  
       sum(case when points < 0 then 1 else 0 end) as incorrect_submissions  
from user_sub  
group by username  
order by incorrect_submissions desc  
limit 5
```

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5. Find the top 10 performers for each week

```
select * from (  
    select extract(week from submitted_at) as week_num,  
           username,  
           sum(points) as points,  
           dense_rank() over(partition by extract(week from submitted_at) order by  
sum(points) desc) as rn  
    from user_sub  
    group by week_num, username  
    order by week_num, points desc  
)  
where rn <= 10
```