**Day-12**

[Google Interview Question | DataLemur](https://datalemur.com/questions/odd-even-measurements)

with cte as (

SELECT measurement\_id, CAST(measurement\_time as Date) as measurement\_day,

measurement\_value, row\_number() OVER(PARTITION BY (CAST(measurement\_time as Date))

ORDER BY measurement\_id) as rn from measurements)

SELECT measurement\_day ,

SUM(case when rn %2!=0 then measurement\_value END) as odd\_sum,

SUM(case when rn%2 =0 then measurement\_value END) as even\_sum

from cte

group by measurement\_day;

[Walmart SQL Interview Question | DataLemur](https://datalemur.com/questions/histogram-users-purchases)

with cte as (select \*, RANK() OVER(PARTITION BY user\_id

order by transaction\_date DESC) as rnk

from user\_transactions)

select transaction\_date, user\_id, COUNT(DISTINCT product\_id)

as purchase\_count

from cte

where rnk=1

GROUP BY transaction\_date, user\_id

ORDER BY transaction\_date;