17_Odd and Even Measurements - Medium Solution

Source - 🐯 nicksinghtech Google Interview Question | DataLemur

Running Notes

- measurement data
- in one day multiple data
- query sum of odd-numbered and even-numbered measurements separately for a particular day
- order the data by measurement_time so I can get the odd measurement and even measurements ... how well you will see it in the code below

```
SELECT *, ROW_NUMBER() OVER ( PARTITION BY measurement_time::DATE ORDER BY measurement_time ) AS row_n FROM measurements;
```

• so this allots a row number so 07/10/2022 date if I have 3 measurements ... so each is given a row number in the order of the time from first to last

So the final code is here!!!

```
WITH measurements_CTE AS ( SELECT *, ROW_NUMBER() OVER ( PARTITION BY measurement_time::DATE ORDER BY measurement_time ) AS row_n FROM measurements ) SELECT measurement_time::DATE, SUM(CASE WHEN row_n%2=0 THEN measurement_value END) AS "even_sum", SUM(CASE WHEN row_n%2=1 THEN measurement_value END) AS "odd_sum" FROM measurements_CTE GROUP BY measurement_time::DATE ORDER BY measurement_time::DATE
```

```
WITH measurements_CTE AS ( numbers calloted to the dora
PARTITION BY measurement_time::DATE | low number has to alloted the every date, but we have diff to partition (make windown by the date to 20 but have by the d
 SUM(CASE
WHEN row_n%2=1 THEN measurement_value
END) AS "odd_sum"
FROM measurements_CTE
GROUP BY measurement_time::DATE

Vritten By,
```

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