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NamasteSQL

100 Coding Problems

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100 DAY CODING PROBLEMS

🥴**Problem Statement:**

10 - THE LITTLE MASTER

SACHIN TENDULKAR - ALSO KNOWN AS LITTLE MASTER. YOU ARE GIVEN RUNS SCORED BY SACHIN IN HIS FIRST 10 MATCHES.
YOU NEED TO WRITE AN SQL TO GET MATCH NUMBER WHEN HE COMPLETED 500 RUNS AND HIS BATTING AVERAGE AT THE END OF 10 MATCHES.
BATTING AVERAGE = (TOTAL RUNS SCORED) / (NO OF TIMES BATSMAN GOT OUT)
ROUND THE RESULT TO 2 DECIMAL PLACES.

🚩 **Difficult Level : HARD**

Step - 2 : Identifying The Input Data And Expected

INPUT

MATCH_NO	RUNS_SCORED	STATUS
1	53	out
2	59	not-out
3	113	out
4	29	out
5	0	out
6	39	out
7	73	out
8	149	out
9	93	out
10	25	out

OUTPUT

MATCH_NO	BATTING_AVERAGE
8	70.33

Step - 3 : Writing the sql query to solve the

```sql
WITH CTE
AS (
    SELECT *
        ,round(sum(RUNS_SCORED) OVER () / ( SELECT count(*) FROM sachin
WHERE STATUS = 'out'), 2) AS batting_average
        ,sum(runs_scored) OVER ( ORDER BY match_no ) AS cu_sum
    FROM sachin
    )
SELECT MATCH_NO
    ,batting_average
FROM CTE
WHERE cu_sum ≥ 500
ORDER BY cu_sum limit 1
```