# SQL LEETCODE PROBLEMS

**QUESTION 11** 

# Find the Quiet Student in all Exams

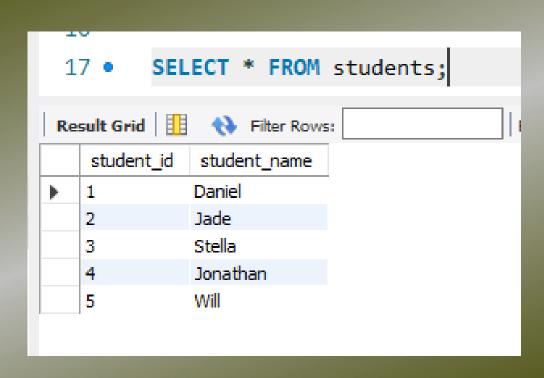
#### Data-

Write an SQL query to report the students (id, name) being 'quiet' in all exams.

A 'quiet' student is the one who took at least one exam and didn't score neither the high score nor the low score in any of the exam.

Dont return the student who has never taken any exam.

Return the result table ordered by student\_id



18 • SELECT * FROM exams;				
Result Grid				
	exam_id	student_id	score	
<b>)</b>	10	1	70	
	10	2	80	
	10	3	90	
	20	1	80	
	30	1	70	
	30	3	80	
	30	4	90	
	40	1	60	
	40	2	70	
	40	4	80	

#### Get min & max scores of students in all exams

```
20 •
        WITH all_scores AS
21
22
             SELECT exam_id, MIN(score) AS min_score, MAX(score) AS max_score
23
            FROM exams
24
            GROUP BY exam_id
25
26
        SELECT exams.*, min_score, max_score
        FROM exams
27
28
        INNER JOIN all_scores ON exams.exam_id = all_scores.exam_id
Result Grid Filter Rows:
                                    Export: Wrap Cell Content: IA
   exam_id
          student_id
                          min_score
                    score
                                    max_score
  10
                    70
                          70
                                   90
                                   90
  10
          2
                    80
                          70
  10
          3
                    90
                          70
                                   90
                                   80
  20
                    80
  30
                    70
                          70
                                   90
  30
          3
                          70
                                   90
  30
          4
                    90
                          70
                                   90
                    60
                          60
                                   80
          2
                          60
  40
                    70
                                   80
                                   80
```

### Final script 1

```
20 •
       WITH all_scores AS
21
22
           SELECT exam_id, MIN(score) AS min_score, MAX(score) AS max_score
23
           FROM exams
           GROUP BY exam_id
24
25
       SELECT exams.student_id ,
26

→ MAX(CASE WHEN score = min_score OR)

27
28
                score = max_score THEN 1 ELSE 0 END) AS red_flag
29
       FROM exams
       INNER JOIN all_scores ON exams.exam_id = all_scores.exam_id
30
       GROUP BY student_id
31
                                 Export: Wrap Cell Content: IA
Result Grid Filter Rows:
  student_id red_flag
```

## Final script 2

```
20 •
       WITH all_scores AS
21
22
            SELECT exam_id, MIN(score) AS min_score, MAX(score) AS max_score
23
            FROM exams
            GROUP BY exam_id
24
25
        SELECT exams.student_id
26
        FROM exams
27
        INNER JOIN all_scores ON exams.exam_id = all_scores.exam_id
28
29
        GROUP BY student_id
30

→ HAVING MAX(CASE WHEN score = min_score OR)
                score = max_score THEN 1 ELSE 0 END) = 0
31
        ;
32
Result Grid
            Filter Rows:
                                   Export: Wrap Cell Content: $\frac{1}{4}$
  student_id
```

## **THANK YOU**