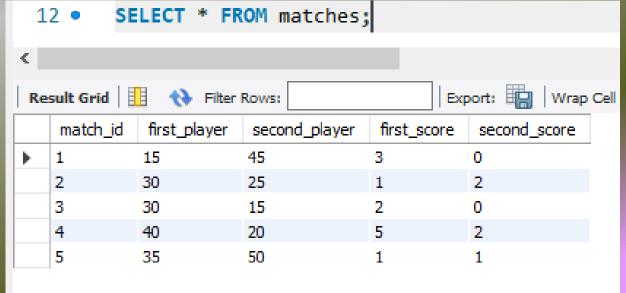# SQL LEETCODE PROBLEMS

QUESTION 7

Tournament Winner

-- Mayuri D.

Data--

```
6    /* find the winner in each group.
7       winner in each group is the player who scored
8       max total points within the group.
9       in case of tie, lowest player_id wins. */
10
11 •   SELECT * FROM players;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Cont

player_id	group_id
15	1
25	1
30	1
45	1
10	2
35	2
50	2
20	3
40	3

```
12 •   SELECT * FROM matches;
```

Result Grid | Filter Rows: | Export: | Wrap Cell

match_id	first_player	second_player	first_score	second_score
1	15	45	3	0
2	30	25	1	2
3	30	15	2	0
4	40	20	5	2
5	35	50	1	1

```sql
14 •    WITH player_scores AS
15    (    SELECT first_player AS player_id, first_score AS score FROM matches
16         UNION ALL
17         SELECT second_player AS player_id, second_score AS score FROM matches
18    ),
19    final_scores AS
20    (    SELECT p.group_id, ps.player_id, SUM(score) AS score
21         FROM player_scores ps
22         INNER JOIN players p ON p.player_id = ps.player_id
23         GROUP BY p.group_id, ps.player_id
24    ),
25    final_ranking AS
26    (    SELECT *,
27         RANK() OVER(PARTITION BY group_id ORDER BY score DESC, player_id ASC) AS rn
28         FROM final_scores
29    )
30    SELECT * FROM final_ranking WHERE rn = 1;
```

| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

group_id	player_id	score	rn
1	15	3	1
2	35	1	1
3	40	5	1

THANK YOU

-- Mayuri D.