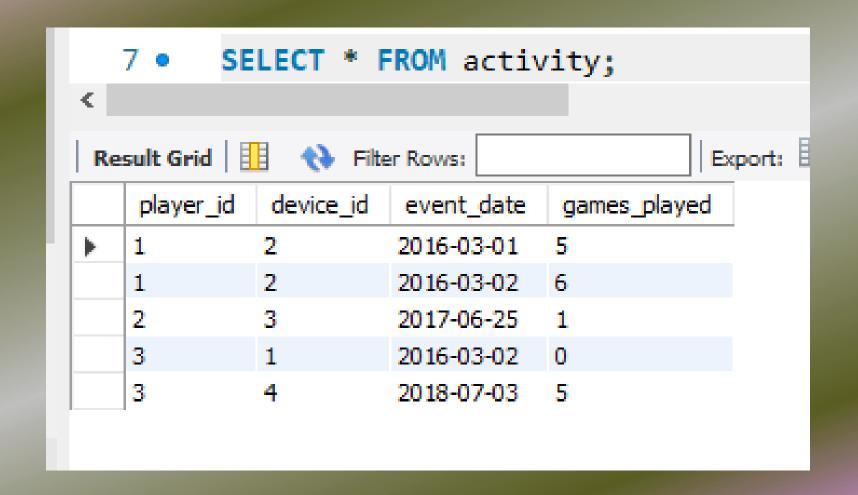
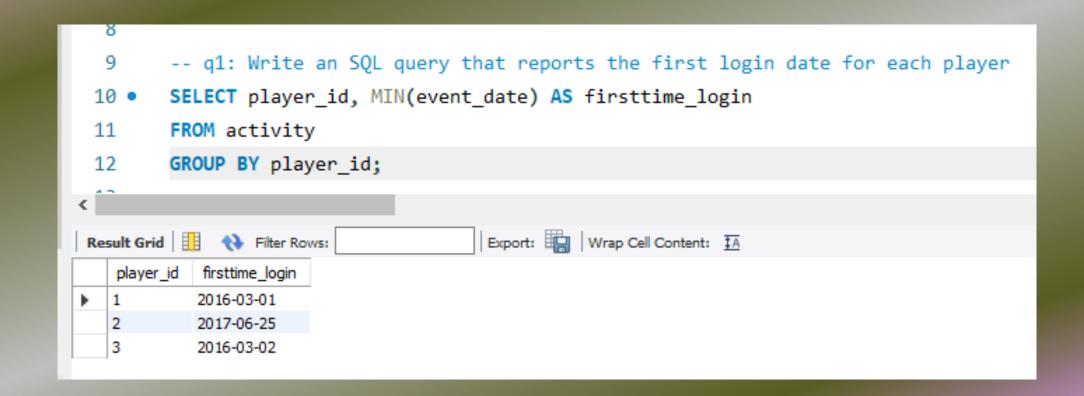
## SQL LEETCODE PROBLEMS

**QUESTION 8** 

**Game Play Analysis** 

## Data--





```
14
       -- q2: Write a SQL query that reports the device that is first logged in for each player
15 •
       SELECT player_id, device_id, event_date, games_played FROM
16
    ⊖ (
17
           SELECT *,
18
           RANK() OVER(PARTITION BY player_id ORDER BY event_date) AS rn
           FROM activity
19
20
     ်) a
21
       WHERE rn = 1;
22
Export: Wrap Cell Content: IA
  player_id device_id event_date games_played
         2
                 2016-03-01 5
                 2017-06-25 1
                 2016-03-02 0
```

```
24
      That is, the total number of games played by the player until that date. */
25 •
      SELECT *,
      SUM(games_played) OVER(PARTITION BY player_id ORDER BY event_date) AS total_played
26
27
      FROM activity;
28
Export: Wrap Cell Content: 1A
  player_id device_id event_date games_played total_played
             2016-03-01 5
             2016-03-02 6
                             11
             2017-06-25 1
             2016-03-02 0
 3
       4
             2018-07-03 5
                             5
```

```
30
       logged in again on the day after the day they first logged in,
     rounded to 2 decimal places */
31
       WITH min_date AS
32 •
33
     \ominus (
34
           SELECT player id, MIN(event date) AS first login
35
          FROM activity
36
           GROUP BY player id
37
38
       SELECT a.*, first_login
39
       FROM activity a
40
       INNER JOIN min_date md ON a.player_id = md.player_id
41
       WHERE DATEDIFF(event_date, first_login) = 1;
42
Result Grid | Filter Rows:
                               Export: Wrap Cell Content: $\overline{A}$
  player_id
         device_id event_date games_played
                                     first_login
         2
                 2016-03-02 6
                                    2016-03-01
```

## **THANK YOU**