

Problem List

MySQL

1783. Grand Slam Titles

Premium

Solved

Medium

Topics

Companies

SQL Schema

Pandas Schema

Table: Players

Column Name	Type
player_id	int
player_name	varchar

player_id is the primary key (column with unique values) for this table.
Each row in this table contains the name and the ID of a tennis player.

Table: Championships

Column Name	Type
year	int
Wimbledon	int
Fr_open	int
US_open	int
Au_open	int

year is the primary key (column with unique values) for this table.
Each row of this table contains the IDs of the players who won one each tennis tournament of the grand slam.

Write a solution to report the number of grand slam tournaments won by each player. Do not include the players who did not win any tournament.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

Input:

Players table:

player_id	player_name
1	Nadal
2	Federer
3	Novak

Championships table:

year	Wimbledon	Fr_open	US_open	Au_open
2018	1	1	1	1
2019	1	1	2	2
2020	2	1	2	2

Output:

player_id	player_name	grand_slams_count
2	Federer	5
1	Nadal	7

Explanation:

Player 1 (Nadal) won 7 titles: Wimbledon (2018, 2019), Fr_open (2018, 2019, 2020), US_open (2018), and Au_open (2018).
Player 2 (Federer) won 5 titles: Wimbledon (2020), US_open (2019, 2020), and Au_open (2019, 2020).
Player 3 (Novak) did not win anything, we did not include them in the result table.

Seen this question in a real interview before?

1/5

Yes

No

Accepted

24.2K

Submissions

29K

Acceptance Rate

83.5%

Topics

Companies

Discussion (6)

Copyright © 2024 LeetCode All rights reserved

230

6

Contribute a test case

Code

MySQL

Auto

```
1 # Write your MySQL query statement below
2
3 SELECT player_id, player_name, SUM(Wimbledon = player_id) + SUM(Fr_open = player_id) + SUM(US_open = player_id) + SUM(Au_open = player_id)
4 GROUP BY player_id
5 HAVING grand_slams_count != 0
6
```

Testcase

Test Result

2018	1	1	1	1	1
2019	1	1	2	2	2
2020	2	1	2	2	2

Output

player_id	player_name	grand_slams_count
2	Federer	5
1	Nadal	7

Expected

player_id	player_name	grand_slams_count
2	Federer	5
1	Nadal	7