Problem 574: Winning Candidate

Problem Information

Difficulty: Medium
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table:

Candidate

+------------+----------+ | Column Name | Type | +------------+----------+ | id | int | | name | varchar | +------------+----------+ id is the column with unique values for this table. Each row of this table contains information about the id and the name of a candidate.

Table:

Vote

+------------+------+ | Column Name | Type | +------------+------+ | id | int | | candidateId | int | +------------+------+ id is an auto-increment primary key (column with unique values). candidateId is a foreign key (reference column) to id from the Candidate table. Each row of this table determines the candidate who got the i

th

vote in the elections.

Write a solution to report the name of the winning candidate (i.e., the candidate who got the largest number of votes).

The test cases are generated so that

exactly one candidate wins

the elections.

The result format is in the following example.

Example 1:

Input:

Candidate table: +----+------+ | id | name | +----+------+ | 1 | A | | 2 | B | | 3 | C | | 4 | D | | 5 | E |
+----+------+ Vote table: +----+-------------+ | id | candidateId | +----+-------------+ | 1 | 2 | | 2 | 4 | | 3
| 3 | | 4 | 2 | | 5 | 5 | +----+-------------+

Output:

+------+ | name | +------+ | B | +------+

Explanation:

Candidate B has 2 votes. Candidates C, D, and E have 1 vote each. The winner is candidate
B.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd


def winning_candidate(candidate: pd.DataFrame, vote: pd.DataFrame) ->
pd.DataFrame:
```

Solutions

MySQL Solution:

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