Problem 574: Winning Candidate

Problem Information

Difficulty: Medium
Acceptance Rate: 62.36%
Paid Only: Yes
Tags: Database

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 ith 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
```