574. Winning Candidate 🗗

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Table: Candidate

July 10, 2017 | 16.1K views

id Name 1 A | 3 | C 4 D | 5 | E

Table: Vote

```
id | CandidateId
      3
              5
  5
 id is the auto-increment primary key,
 CandidateId is the id appeared in Candidate table.
Write a sql to find the name of the winning candidate, the above example will return the winner B.
```

+----+

```
Name
 В
Notes:
```

1. You may assume there is no tie, in other words there will be only one winning candidate.

Solution

Algorithm

Approach: Using JOIN and a temporary table [Accepted]

Query in the Vote table to get the winner's id and then join it with the Candidate table to get the name.

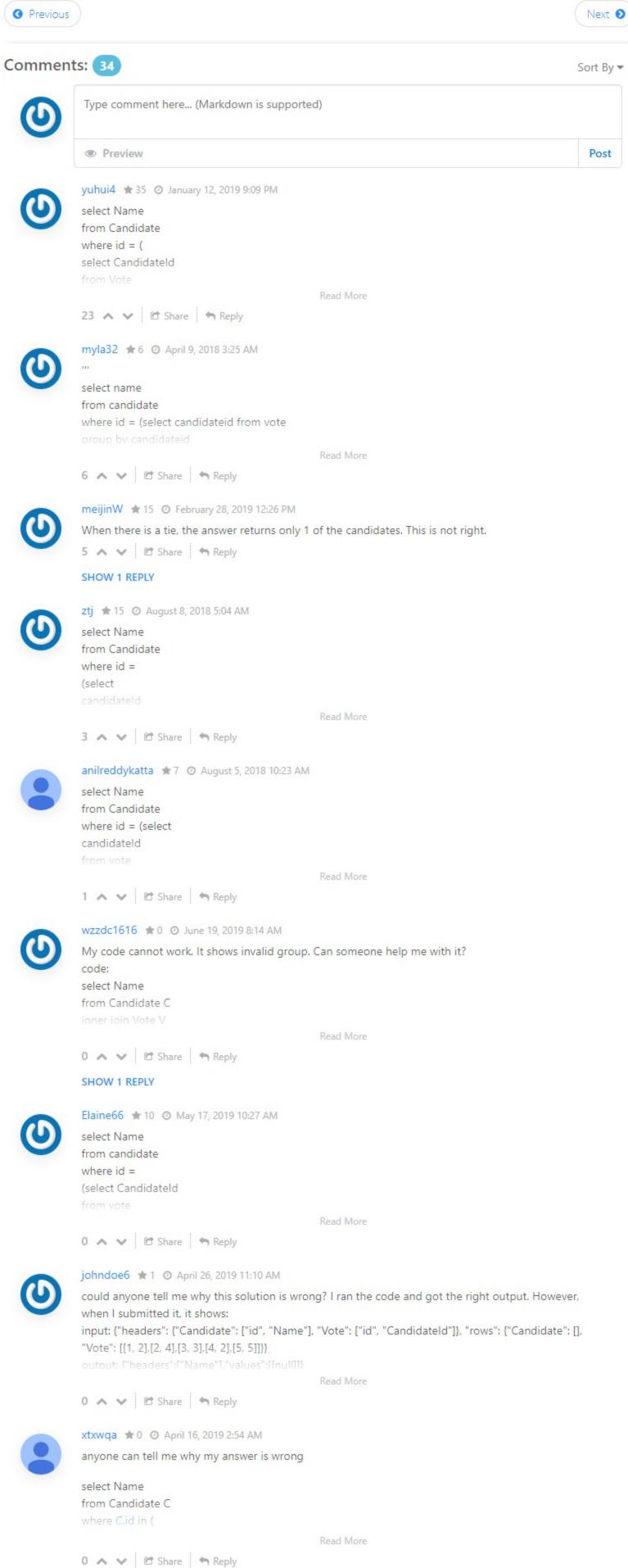
MySQL

SELECT name AS 'Name'

FROM

Candidate

```
JOIN
      (SELECT
          Candidateid
      FROM
          Vote
      GROUP BY Candidateid
     ORDER BY COUNT(*) DESC
      LIMIT 1) AS winner
 WHERE
      Candidate.id = winner.Candidateid
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from candidate join vote on candidate.id = vote.candidateid

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select name

group by candidateid order by count(*) desc

(1234)