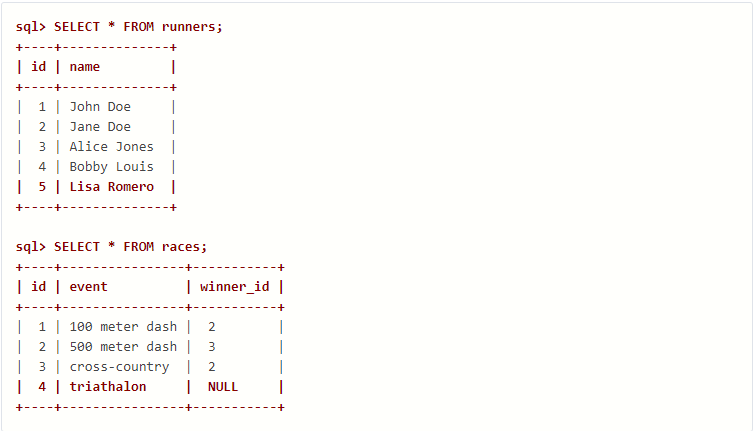
**SQL:**

**Question: 1**

**Given the following tables:**

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**What will be the result of the query below?**

**SELECT \* FROM runners WHERE id NOT IN (SELECT winner\_id FROM races)**

**Explain your answer and also provide an alternative version of this query that will avoid the issue that it exposes.**

Answer:

SELECT \* FROM runners WHERE id NOT IN (SELECT winner\_id FROM races)

This query selects all records from the 'runners' table where the 'id' of the runner is not found in the 'winner\_id' column of the 'races' table.

This query has an issue, 'winner\_id' column in the 'races' table contains NULL values.

**the alternative version using LEFT JOIN of this query that will avoid the issue:**

**```**

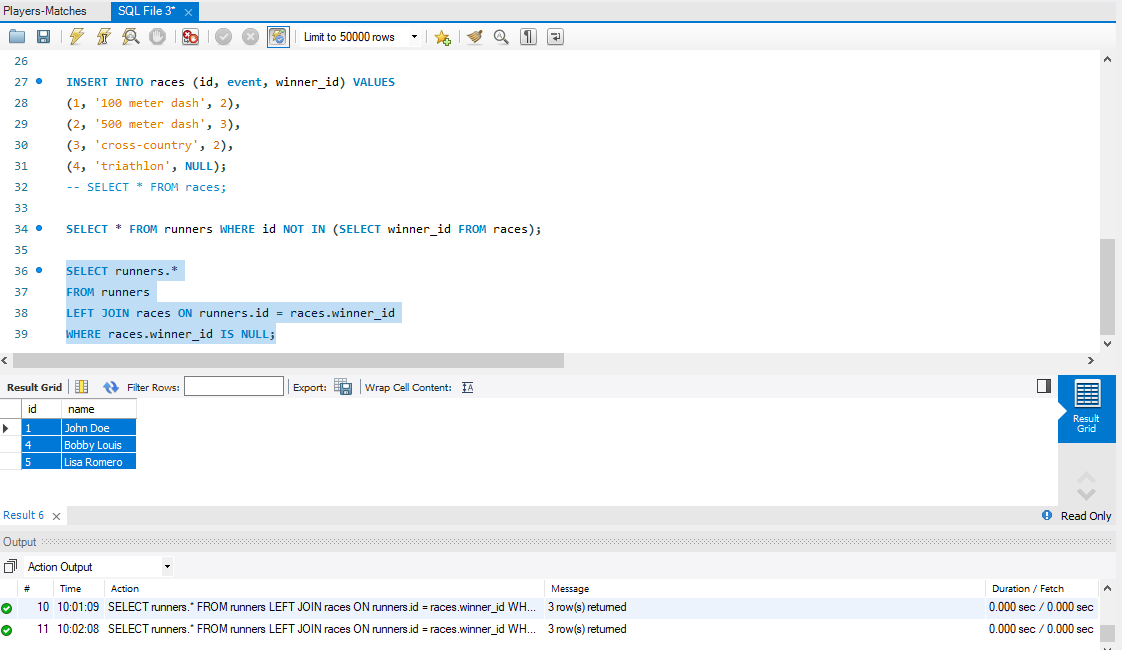
**SELECT runners.\***

**FROM runners LEFT JOIN races**

**ON runners.id = races.winner\_id**

**WHERE races.winner\_id IS NULL;**

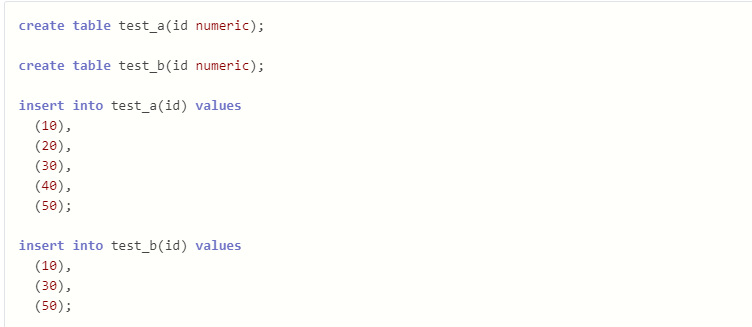
**```**

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**Question: 2**

Given two tables created as follows



Write a query to fetch values in table test\_a that are and not in test\_b without using the NOT keyword.

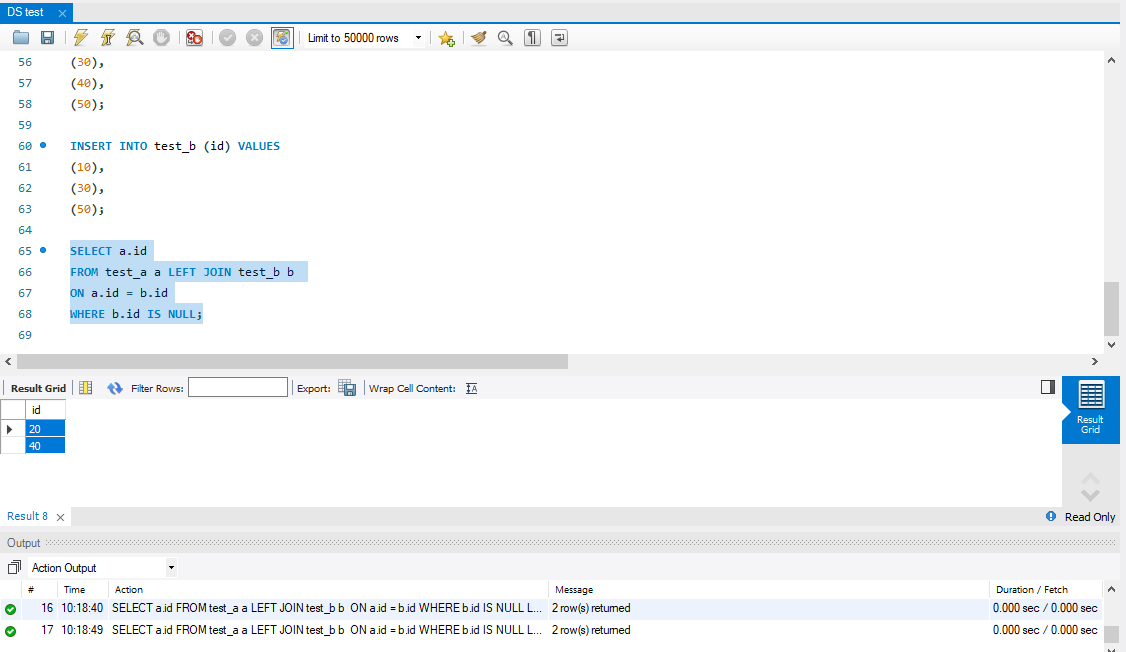
Answer:

SELECT a.id

FROM test\_a a

LEFT JOIN test\_b b ON a.id = b.id

WHERE b.id IS NULL;



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