

Question: 1:

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.

Output:

Id	name
5	Lisa Romero

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.

Query:

```
SELECT * FROM test_a a LEFT JOIN test_b b ON a.id = b.id WHERE b.id IS NULL
```

Question: 3

Write a query to get the list of users who took the a training lesson more than once in the same day, grouped by user and training lesson, each ordered from the most recent lesson date to oldest date.

Query:

```
SELECT username, training_date FROM users u INNER JOIN training_details t ON  
(u.user_id = t.user_id) GROUP_BY username, training_date  
HAVING count(*)>1  
ORDER_BY username, training_date DESC
```

Question: 4

Consider the Employee table below.

Query :

```
SELECT manager_id, (SELECT emp_name FROM employee where emp_id = manager_id) as  
manager_name , sum(salay)/count(*) FROM employee GROUP_BY manager_id
```