SQL Exercise: In CASE of Rivalry

🏆 Daily XP 350 ●

Exercise ‹

In CASE of rivalry

Barcelona and Real Madrid have been rival teams for more than 80 years. Matches between these two teams are given the name *El Clásico* (The Classic). In this exercise, you will query a list of matches played between these two rivals.

You will notice in Step 2 that when you have multiple logical conditions in a `CASE` statement, you may quickly end up with a large number of `WHEN` clauses to logically test every outcome you are interested in. It's important to make sure you don't accidentally exclude key information in your `ELSE` clause.

In this exercise, you will retrieve information about matches played between **Barcelona** (id = `8634`) and **Real Madrid** (id = `8633`). Note that the query you are provided with already identifies the *Clásico* matches using a filter in the `WHERE` clause.

☉ Instructions 1/2   50 XP   1 · 2

- Complete the first `CASE` statement, identifying Barcelona or Real Madrid as the home team using the `hometeam_id` column.
- Complete the second `CASE` statement in the same way, using `awayteam_id` .

💡 Take Hint (-15 XP)

query.sql   ☀ Light Mode

```
1  SELECT
2      date,
3      -- Identify the home team as Barcelona or Real Madrid
4      ___ ___ ___ = 8634 ___ 'FC Barcelona'
5      ___ 'Real Madrid CF' ___ ___ home,
6      -- Identify the away team as Barcelona or Real Madrid
7      ___ ___ ___ = 8634 ___ 'FC Barcelona'
8      ___ 'Real Madrid CF' ___ ___ away
9  FROM matches_spain
10 WHERE (awayteam_id = 8634 OR hometeam_id = 8634)
11     AND (awayteam_id = 8633 OR hometeam_id = 8633);
```

↺   ⟳ Loading...   ⟳ Loading...

query result   ⌄

No query executed yet...

Showing 0 out of 0 rows
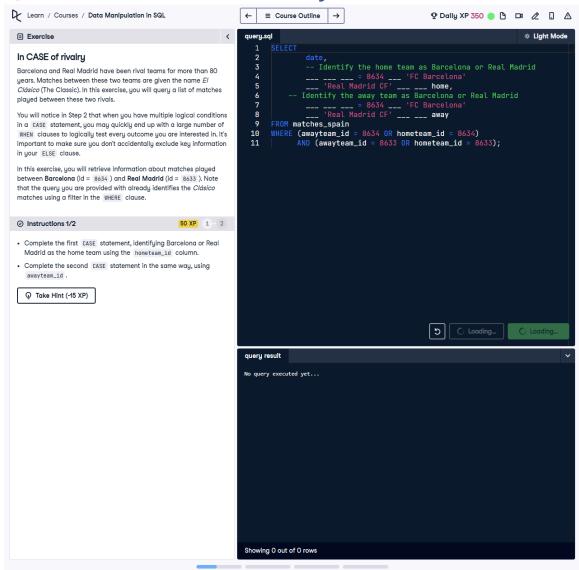
Question: Complete the first CASE statement, identifying Barcelona or Real Madrid as the home team using the 'hometeam_id' column. Complete the second CASE statement in the same way, using 'awayteam_id'. Filter for matches where Barcelona (id = 8634) or Real Madrid (id = 8633) participated.

Correct Answer:
SQL Query:
SELECT
    date,

```
    CASE
       WHEN hometeam_id = 8634 THEN 'FC Barcelona'
       WHEN hometeam_id = 8633 THEN 'Real Madrid CF'
       ELSE 'Other'
    END AS home,
    CASE
       WHEN awayteam_id = 8634 THEN 'FC Barcelona'
       WHEN awayteam_id = 8633 THEN 'Real Madrid CF'
       ELSE 'Other'
    END AS away
FROM matches_spain
WHERE (awayteam_id = 8634 OR hometeam_id = 8634)
  AND (awayteam_id = 8633 OR hometeam_id = 8633);
```

Explanation:
- The query identifies the home and away teams using two separate CASE
statements based on 'hometeam_id' and 'awayteam_id'.
- IDs 8634 and 8633 correspond to FC Barcelona and Real Madrid CF,
respectively.
- The WHERE clause filters for matches where either Barcelona or Real
Madrid played as the home or away team.
- This ensures only 'El Clásico' matches between Barcelona and Real Madrid
are included in the output.