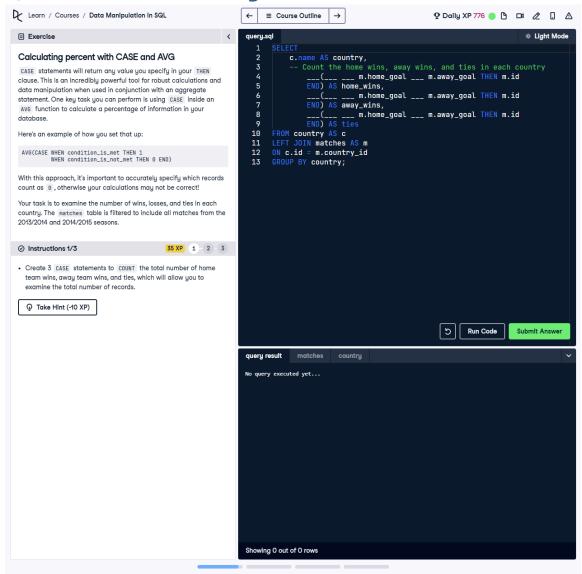
SQL Exercise: Calculating Percent with CASE and AVG



Question: Create 3 CASE statements to COUNT the total number of home team wins, away team wins, and ties, which will allow you to examine the total number of records.

Correct Answer:

SQL Query: SELECT

c.name AS country,

-- Count the home wins, away wins, and ties in each country COUNT(CASE WHEN m.home_goal > m.away_goal THEN m.id END) AS

home wins,

COUNT(CASE WHEN m.home_goal < m.away_goal THEN m.id END) AS away_wins,

COUNT(CASE WHEN m.home_goal = m.away_goal THEN m.id END) AS ties

FROM country AS c
LEFT JOIN matches AS m
ON c.id = m.country_id
GROUP BY country;

Explanation:

- The query selects the country name (`c.name`) and aliases it as `country` for grouping.
- Three `COUNT` functions with `CASE WHEN` conditions calculate the total home wins, away wins, and ties:
- `home_wins` counts matches where the home team's goals exceed the away team's.
- `away_wins` counts matches where the away team's goals exceed the home team's.
 - `ties` count matches where both teams scored an equal number of goals.
- The `LEFT JOIN` ensures all countries are included, even those without matches.
- The `GROUP BY` clause groups results by country, ensuring accurate counts for each country.