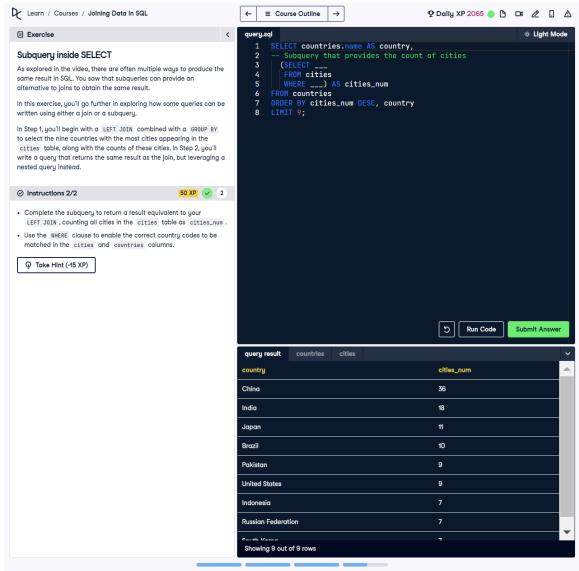
SQL Exercise: Subquery Inside SELECT - Step 2



Question: Complete the subquery to return a result equivalent to your LEFT JOIN, counting all cities in the 'cities' table as 'cities_num'. Use the WHERE clause to enable the correct country codes to be matched in the 'cities' and 'countries' columns.

Correct Answer:
SQL Query:
SELECT countries.name AS country,
(SELECT COUNT(*)
FROM cities

WHERE cities.country_code = countries.code) AS cities_num FROM countries
ORDER BY cities_num DESC, country ASC
LIMIT 9;

Explanation:

- The query uses a subquery to count the number of cities in each country. This count is aliased as 'cities num'.
- The subquery selects all rows from the 'cities' table and counts them for each 'country code' that matches the 'code' from the 'countries' table.
- The outer query selects the country name and the result of the subquery.
- The 'ORDER BY cities_num DESC, country ASC' clause sorts the results by the number of cities in descending order and country names in ascending order.
- The 'LIMIT 9' clause restricts the output to the top nine records.