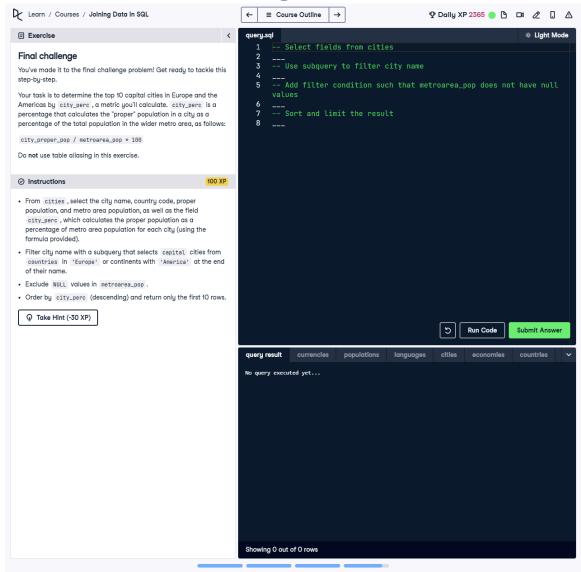
SQL Exercise: Final Challenge - Corrected



Question: From 'cities', select the city name, country code, proper population, and metro area population, as well as the field 'city_perc', which calculates the proper population as a percentage of metro area population for each city (using the formula provided). Filter city names with a subquery that selects capital cities from 'countries' in 'Europe' or continents with 'America' at the end of their name. Exclude NULL values in 'metroarea_pop'. Order by 'city perc' (descending) and return only the first 10 rows.

Corrected Answer: SQL Query:

```
SELECT name, country_code, city_proper_pop, metroarea_pop,
    (city_proper_pop / metroarea_pop) * 100 AS city_perc
FROM cities
WHERE name IN (
    SELECT capital
    FROM countries
    WHERE continent = 'Europe' OR continent LIKE '%America'
)
AND metroarea_pop IS NOT NULL
ORDER BY city_perc DESC
LIMIT 10;
```

Explanation:

- The query selects 'name', 'country_code', 'city_proper_pop', 'metroarea_pop', and calculates 'city_perc' as the percentage of the city proper population to metro area population.
- The subquery retrieves the names of capital cities from countries in 'Europe' or continents ending with 'America'.
- The main query filters out rows where 'metroarea_pop' is NULL using 'AND metroarea_pop IS NOT NULL'.
- The 'ORDER BY city_perc DESC' clause sorts the results by 'city_perc' in descending order, and 'LIMIT 10' restricts the output to the top 10 rows.