SQL Exercise: Subquery Challenge - Corrected

← ≡ Course Outline → 🏆 Daily XP 2265 ●

Exercise

Subquery challenge

You're near the finish line! Test your understanding of subquerying with a challenge problem.

Suppose you're interested in analyzing inflation and unemployment rate for certain countries in 2015. You are interested in countries with `"Republic"` or `"Monarchy"` as their form of government.

You will use the field `gov_form` to filter for these two conditions, which represents a country's form of government. You can review the different entries for `gov_form` in the `countries` table.

⊘ Instructions 100 XP

- Select country `code`, `inflation_rate`, and `unemployment_rate` from `economies`.
- Filter `code` for the set of countries which contain the words `"Republic"` or `"Monarchy"` in their `gov_form`.

💡 Take Hint (-30 XP)

query.sql ☀ Light Mode

```
1  -- Select relevant fields
2  ___
3  WHERE year = 2015
4    AND code IN
5  -- Subquery returning country codes filtered on gov_form
6    (___)
7  ORDER BY inflation_rate;
```

↺ Run Code   Submit Answer

query result   economies   countries

No query executed yet...

Showing 0 out of 0 rows

Question: Select 'code', 'inflation_rate', and 'unemployment_rate' from 'economies'. Filter 'code' for the set of countries which contain the words 'Republic' or 'Monarchy' in their 'gov_form'. Ensure the results are filtered for the year 2015 and ordered by 'inflation_rate'.

Corrected Answer:
SQL Query:
SELECT code, inflation_rate, unemployment_rate
FROM economies
WHERE year = 2015

```
AND code IN (
    SELECT code
    FROM countries
    WHERE gov_form LIKE '%Republic%' OR gov_form LIKE '%Monarchy%'
)
ORDER BY inflation_rate;
```

Explanation:
- The query selects the 'code', 'inflation_rate', and 'unemployment_rate' columns from the 'economies' table.
- The 'WHERE year = 2015' clause ensures that only rows from the year 2015 are included.
- The 'code IN' condition uses a subquery to filter countries whose 'gov_form' includes "Republic" or "Monarchy."
- The subquery selects 'code' from the 'countries' table and filters based on the 'gov_form' column using the LIKE operator.
- The 'ORDER BY inflation_rate' clause sorts the results by inflation rate in ascending order.