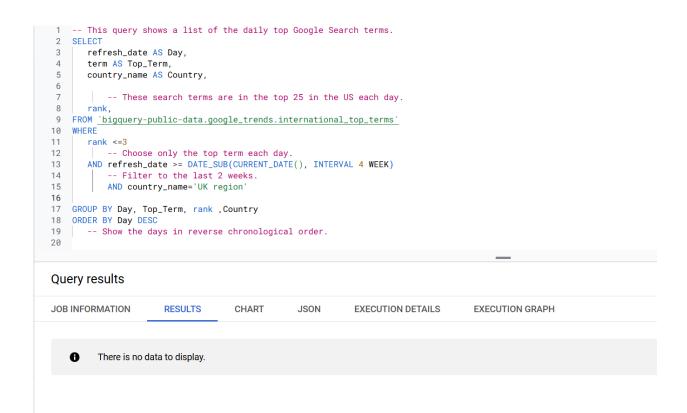
Leen Samman

Note: First 3 tasks are in the first 2 screen shots

- 1. Modify the query to analyze data for the last month instead of the last two weeks.
- 2. Change the query to include search term ranked in the top 3 instead of just rank 1.
- 3. Modify the query to filter search terms specific to the UK region (if regional data is available).



```
1 -- This query shows a list of the daily top Google Search terms.
 2 SELECT
 3
      refresh_date AS Day,
      term AS Top_Term,
 4
 5
      country_name AS Country,
 6
       -- These search terms are in the top 25 in the US each day.
     rank,
 8
 9 FROM `bigquery-public-data.google_trends.international_top_terms`
10 WHERE
     rank <=3
11
12
       -- Choose only the top term each day.
     AND refresh_date >= DATE_SUB(CURRENT_DATE(), INTERVAL 4 WEEK)
13
      -- Filter to the last 2 weeks.

AND country_name='UK'
14
15
16
17 GROUP BY Day, Top_Term, rank ,Country
18 ORDER BY Day DESC
19 -- Show the days in reverse chronological order.
20
```

Query results

JOB INFORMATION

RESULTS

CHART

JSON

EXECUTION DETAILS

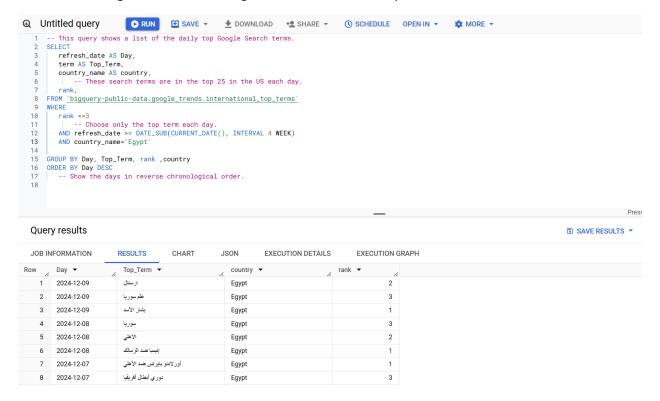
EXECUTION GRAPH

A

There is no data to display.

Additional Step to ensure the code correct if there is another region specified.

I tried UK, UK region, The United Kingdom and none return any data.



5. Add Weekly Aggregation

Task:

• Modify the query to group terms by the week they appeared as top terms.

```
-- This query shows a list of the daily top Google Search terms.

SELECT

refresh_date AS Day,
term AS Top_Term,
country_name AS country,
week AS W,

-- These search terms are in the top 25 in the US each day.
rank,
FROM 'bigquery-public-data.google_trends.international_top_terms'

WHERE

rank <=3

-- Choose only the top term each day.
AND refresh_date >= DATE_SUB(CURRENT_DATE(), INTERVAL 4 WEEK)

AND country_name='Egypt'

GROUP BY Day, Top_Term, rank ,country, week
ORDER BY Day DESC

-- Show the days in reverse chronological order.
```

Query results

JOB INFORMATION		RESULTS CHART JSON EXECUTION DETAILS EXECUTION GRAPH			
Row	Day ▼	Top_Term ▼	country ▼	, W ▼	rank ▼
1	2024-12-09	ارسنال	Egypt	2020-09-27	2
2	2024-12-09	ارسنال	Egypt	2021-03-14	2
3	2024-12-09	ارسنال	Egypt	2021-09-19	2
4	2024-12-09	ارسدال	Egypt	2024-02-04	2
5	2024-12-09	ارسنال	Egypt	2024-12-01	2
6	2024-12-09	ارستال	Egypt	2022-01-30	2
7	2024-12-09	ارسنال	Egypt	2023-07-23	2
8	2024-12-09	ارستال	Egypt	2023-04-16	2
9	2024-12-09	ارستال	Egypt	2023-06-25	2