CLOUD COMPUTING QUIZ

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TASKS 1& 2

CODE:

```
1   -- This query shows a list of the daily top Google Search terms.
2   -- TASKS 1 & 2
3   SELECT
4       refresh_date AS Day,
5       term AS Top_Term,
6           -- These search terms are in the top 25 in the US each day.
7       rank,
8   FROM `bigquery-public-data.google_trends.top_terms`
9   WHERE
10      rank <= 3
11          -- Choose only the top term each day.
12      AND refresh_date >= DATE_SUB(CURRENT_DATE(), INTERVAL 1 MONTH)
13          -- Filter to the last 2 weeks.
14  GROUP BY Day, Top_Term, rank
15  ORDER BY Day DESC
16      -- Show the days in reverse chronological order.
17
```
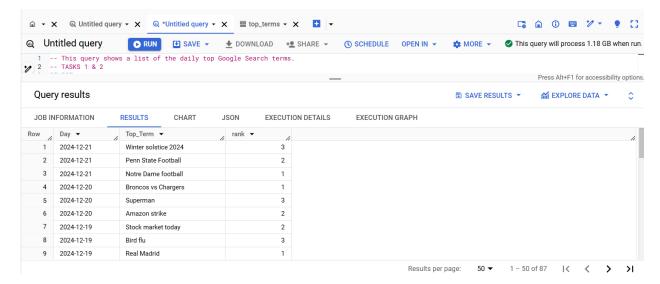
This query will process 1.18 GB when run.

RESULT:

This query will process 1.18 GB when run.

Query results

Row	Day	Top_Term	rank
1	2024-12-21	Winter solstice 2024	3
2	2024-12-21	Penn State Football	2
3	2024-12-21	Notre Dame football	1
4	2024-12-20	Broncos vs Chargers	1
5	2024-12-20	Superman	3
6	2024-12-20	Amazon strike	2
7	2024-12-19	Stock market today	2
8	2024-12-19	Bird flu	3
9	2024-12-19	Real Madrid	1

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TASK 3:

CODE:

```sql
-- This query shows a list of the daily top Google Search terms.
-- TASKS 3
SELECT
    refresh_date AS Day,
    term AS Top_Term,
    country_name AS region,
        -- These search terms are in the top 25 in the US each day.
    rank,
FROM `bigquery-public-data.google_trends.international_top_rising_terms`
WHERE
    rank <= 3
        -- Choose only the top term each day.
    AND refresh_date >= DATE_SUB(CURRENT_DATE(), INTERVAL 1 MONTH)
        -- Filter to the last 2 weeks.
        AND country_name='United Kingdom'
GROUP BY Day, Top_Term,region, rank
ORDER BY Day DESC
    -- Show the days in reverse chronological order.
```

RESULT:

Row	Day	Top_Term	region	rank
1	2024-12-09	michail antonio	United Kingdom	1
2	2024-12-09	man united vs nottm forest	United Kingdom	2
3	2024-12-09	tottenham vs chelsea	United Kingdom	3
4	2024-12-08	wind warning	United Kingdom	1
5	2024-12-08	crystal palace vs man city	United Kingdom	3
6	2024-12-08	michail antonio	United Kingdom	2
7	2024-12-07	storm darragh	United Kingdom	2
8	2024-12-07	giant kelp forests of the great s...	United Kingdom	1

TASK 5:

CODE:

RESULT: