

SQL Practice - Day-23 - 20250217

Problem Statement:

A social media platform tracks user engagement with posts. Each interaction (like, comment, or share) is stored in the INTERACTIONS table:

Column Name	Type
USER_ID	INT
POST_ID	INT
INTERACTION_TYPE	VARCHAR ('like', 'comment', 'share')
INTERACTION_DATE	DATE

Write a query to find the top 3 most engaged posts (based on the total number of interactions) in the last 30 days. If multiple posts have the same number of interactions, return them all.

**** QUERY:**

```
WITH COUNT_INTERACTIONS AS(
SELECT POST_ID, COUNT(INTERACTION_TYPE) AS TOTAL_INTERACTIONS
FROM INTERACTIONS
WHERE INTERACTION_DATE >= DATE_FORMAT(CURRENT_DATE - INTERVAL 3 MONTH,
'%Y-%m-01')
GROUP BY POST_ID
), RANK_POSTS AS(
SELECT POST_ID,
DENSE_RANK() OVER (ORDER BY TOTAL_INTERACTIONS DESC) AS DR
FROM COUNT_INTERACTIONS
)

SELECT POST_ID
FROM RANK_POSTS
WHERE DR < 4;
```