

54_Consecutive Numbers

Medium - Solution

Source - <https://leetcode.com/problems/consecutive-numbers/description/>

Running Notes:

- Find all numbers that appear at least three times consecutively.
- Return the result table in **any order**.

```
WITH main_CTE AS (SELECT id,
  LAG(num) OVER(
    ORDER BY id
  ) as before_num,
  num,
  LEAD(num) OVER(
    ORDER BY id
  ) as after_num
FROM
  Logs)

SELECT * FROM main_CTE
WHERE before_num=num=after_num
```

```
Runtime Error
syntax error at or near "="
LINE 13: WHERE before_num=num=after_num
```

You can't use `=` multiple times in this way. You likely want to compare `before_num` with `num` and `num` with `after_num`

```
WITH main_CTE AS (SELECT id,
  LAG(num,1) OVER(
```

```
        ORDER BY id
    ) as before_num,
    num,
    LEAD(num,1) OVER(
        ORDER BY id
    ) as after_num
FROM
Logs)

SELECT DISTINCT(num) AS ConsecutiveNums
FROM main_CTE
WHERE before_num=num AND num=after_num
```

So basically what I am doing here

- finding the number before the num and after the num and storing that in CTE
- then I am filtering those rows where all the three are same and returning the num

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