

Medium

Table: Logs

Column Name Type	
id	int
num	varchar

In SQL, id is the primary key for this table.
id is an autoincrement column.

Find all numbers that appear at least three times consecutively.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

Input:

Logs table:

id	num
1	1
2	1
3	1
4	2
5	1
6	2
7	2

Output:

ConsecutiveNums
1

Explanation: 1 is the only number that appears consecutively for at least three times.

-- # Write your MySQL query statement below

```
SELECT DISTINCT l1.num AS ConsecutiveNums
FROM Logs l1
JOIN Logs l2 ON l1.id = l2.id - 1
JOIN Logs l3 ON l1.id = l3.id - 2
WHERE l1.num = l2.num AND l2.num = l3.num;
```

```
-- SELECT DISTINCT num AS ConsecutiveNums
-- FROM (
--   SELECT num,
--     LEAD(num, 1) OVER (ORDER BY id) AS next_num,
--     LEAD(num, 2) OVER (ORDER BY id) AS next_next_num
```

```
-- FROM Logs
-- ) AS t
-- WHERE num = next_num AND num = next_next_num;
```