

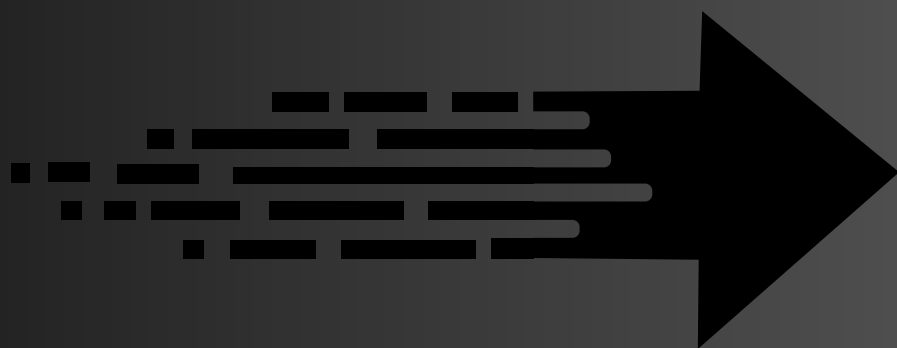


LeetCode

50 Days 50 SQL Questions
Work In Progress

Day 33/50

***33. Consecutive
Numbers***





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Question

Find all numbers that appear at least three times consecutively.

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





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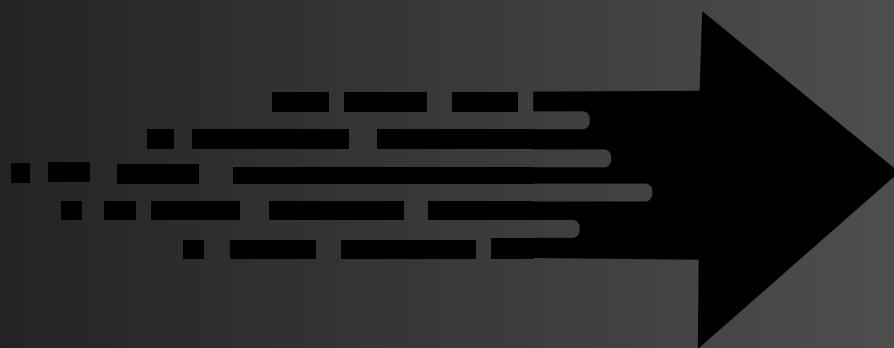
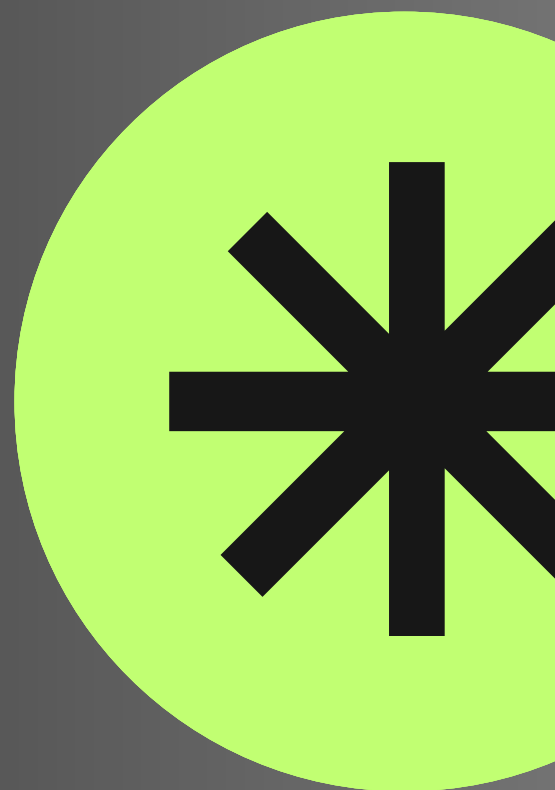
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Table

Input:

Logs table:

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





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Approach

Used Cartesian Product of 3 logs table and selected those rows where the id is consecutive and the num is same for at least 3 times.





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Query

MySQL   Auto

```
1  SELECT
2  |      DISTINCT l1.num AS ConsecutiveNums
3  FROM logs l1,logs l2, logs l3
4  WHERE l1.id = l2.id-1
5  |      AND l2.id = l3.id-1
6  |      AND l1.num = l2.num
7  |      AND l2.num = l3.num;
```





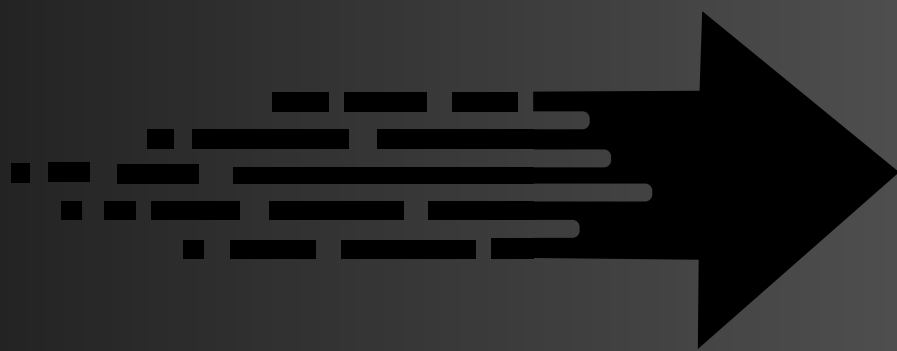
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Output

Output:

ConsecutiveNums
1





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Thank You :)

