

Problem List

DescriptionAcceptedEditorialSolutionsSubmissions

3415. Find Products with Three Consecutive Digits

Premium

Solved

Easy

Topics

SQL Schema

Pandas Schema

Table: Products

Column Name	Type
product_id	int
name	varchar

product_id is the unique key for this table.
Each row of this table contains the ID and name of a product.

Write a solution to find all products whose names contain a sequence of exactly three consecutive digits in a row.

Return the result table ordered by product_id in ascending order.

The result format is in the following example.

Note that the name may contain multiple such sequences, but each should have length three.

Example:

Input:

products table:

product_id	name
1	ABC123XYZ
2	A12B34C
3	Product56789
4	NoDigitsHere
5	789Product
6	Item003Description
7	Product12X34

Output:

product_id	name
1	ABC123XYZ
5	789Product
6	Item003Description

Explanation:

- Product 1: ABC123XYZ contains the digits 123.
- Product 5: 789Product contains the digits 789.
- Product 6: Item003Description contains 003, which is exactly three digits.

Note:

- Results are ordered by product_id in ascending order.
- Only products with exactly three consecutive digits in their names are included in the result.

Seen this question in a real interview before?

1/5

Yes

No

Accepted

1,693/2.1K

Acceptance Rate

81.5%

Topics

Discussion (3)

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Code

MySQLAuto

```
1 # Write your MySQL query statement below
2
3
4 SELECT product_id, name
5 FROM Products
6 WHERE name REGEXP '[^0-9][0-9]{3}[^0-9]'
7      OR name REGEXP '[^0-9]{3}[^0-9]'
8      OR name REGEXP '[^0-9][0-9]{3}$'
9 ORDER BY product_id;
```

SavedLn 9, Col 21

Testcase

Test Result

Accepted

Runtime: 94 ms

Case 1

Input

Products =

product_id	name
1	ABC123XYZ
2	A12B34C
3	Product56789
4	NoDigitsHere

4

3

0 Online

5	789Product
6	Item003Description