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Description Accepted Editorial Solutions Submissions

**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	A1234C
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 / 2,11K | Acceptance Rate 81.5%

Topics

Discussion (3)

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4 3 0 Online 5 6 789Product 003Description

Code

MySQL Auto

```

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;

```

Saved

Testcase Test Result

Accepted Runtime: 94 ms

Case 1

Input

Products

product_id	name
1	ABC123XYZ
2	A1234C
3	Product56789
4	NoDigitsHere