

Problem 3415: Find Products with Three Consecutive Digits

Problem Information

Difficulty: **Easy**

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

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			
ABC123XYZ	1		2	A12B34C	3
		Product56789	4	NoDigitsHere	5
Item003Description	6		7	789Product	8
Product12X34	9				

Output:

	product_id	name			
ABC123XYZ	1		5	789Product	6
Item003Description	6		7		

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.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def find_products(products: pd.DataFrame) -> pd.DataFrame:
```

Solutions

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