

Problem 3415: Find Products with Three Consecutive Digits

Problem Information

Difficulty: Easy

Acceptance Rate: 81.25%

Paid Only: Yes

Tags: Database

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
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.

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
```