

# 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
```