Problem 3436: Find Valid Emails

Problem Information

Difficulty: Easy
Acceptance Rate: 46.83%
Paid Only: No
Tags: Database

Problem Description

Table: `Users`

+-----------------+---------+ | Column Name | Type | +-----------------+---------+ | user_id | int | | email | varchar | +-----------------+---------+ (user_id) is the unique key for this table. Each row contains a user's unique ID and email address.

Write a solution to find all the **valid email addresses**. A valid email address meets the following criteria:

* It contains exactly one `@` symbol. * It ends with `.com`. * The part before the `@` symbol contains only **alphanumeric** characters and **underscores**. * The part after the `@` symbol and before `.com` contains a domain name **that contains only letters**.

Return _the result table ordered by_ `user_id` _in_ **ascending** _order_.

Example:

Input:

Users table:

+---------+---------------------+ | user_id | email | +---------+---------------------+ | 1 | alice@example.com | | 2 | bob_at_example.com | | 3 | charlie@example.net | | 4 | david@domain.com | | 5 | eve@invalid | +---------+---------------------+

Output:

+---------+-------------------+ | user_id | email | +---------+-------------------+ | 1 | alice@example.com | | 4 | david@domain.com | +---------+-------------------+

Explanation:

* **alice@example.com** is valid because it contains one `@`, alice is alphanumeric, and example.com starts with a letter and ends with .com. * **bob_at_example.com** is invalid because it contains an underscore instead of an `@`. * **charlie@example.net** is invalid because the domain does not end with `.com`. * **david@domain.com** is valid because it meets all criteria. * **eve@invalid** is invalid because the domain does not end with `.com`.

Result table is ordered by user_id in ascending order.

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
```