

# Problem 3436: Find Valid Emails

## Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 0.00%

Paid Only: No

## 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	
alice@example.com	1	bob_at_example.com	2
charlie@example.net	3	david@domain.com	4
eve@invalid	5		

Output:

	user_id	email	
alice@example.com	1	david@domain.com	4

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
```

### Oracle:

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

### Pandas:

```
import pandas as pd
```

```
def find_valid_emails(users: pd.DataFrame) -> pd.DataFrame:
```

## Solutions

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import pandas as pd

def find_valid_emails(users: pd.DataFrame) -> pd.DataFrame:
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