Find Users With Valid E-Mails

Aim : Find the users who have valid emails in the given table.

Requirement Specification:

Table: Users

|  |  |
| --- | --- |
| Column Name | Type |
| user\_id | int |
| name | varchar |
| mail | varchar |

user\_id is the primary key for this table.

This table contains information of the users signed up in a website. Some e-mails are invalid.

Write an SQL query to find the users who have valid emails.

A valid e-mail has a prefix name and a domain where:

The prefix name is a string that may contain letters (upper or lower case), digits, underscore '\_', period '.' and/or dash '-'. The prefix name must start with a letter.

The domain is '@leetcode.com'.

Return the result table in any order.

The query result format is in the following example.

Users

+---------+-----------+-------------------------+

| user\_id | name | mail |

+---------+-----------+-------------------------+

| 1 | Winston | winston@leetcode.com |

| 2 | Jonathan | jonathanisgreat |

| 3 | Annabelle | bella-@leetcode.com |

| 4 | Sally | sally.come@leetcode.com |

| 5 | Marwan | quarz#2020@leetcode.com |

| 6 | David | david69@gmail.com |

| 7 | Shapiro | .shapo@leetcode.com |

+---------+-----------+-------------------------+

Result table:

+---------+-----------+-------------------------+

| user\_id | name | mail |

+---------+-----------+-------------------------+

| 1 | Winston | winston@leetcode.com |

| 3 | Annabelle | bella-@leetcode.com |

| 4 | Sally | sally.come@leetcode.com |

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The mail of user 2 doesn't have a domain.

The mail of user 5 has # sign which is not allowed.

The mail of user 6 doesn't have leetcode domain.

The mail of user 7 starts with a period.

Create table If Not Exists Users (user\_id int, name varchar(30), mail varchar(50))

Truncate table Users

insert into Users (user\_id, name, mail) values ('1', 'Winston', 'winston@leetcode.com')

insert into Users (user\_id, name, mail) values ('2', 'Jonathan', 'jonathanisgreat')

insert into Users (user\_id, name, mail) values ('3', 'Annabelle', 'bella-@leetcode.com')

insert into Users (user\_id, name, mail) values ('4', 'Sally', 'sally.come@leetcode.com')

insert into Users (user\_id, name, mail) values ('5', 'Marwan', 'quarz#2020@leetcode.com')

insert into Users (user\_id, name, mail) values ('6', 'David', 'david69@gmail.com')

insert into Users (user\_id, name, mail) values ('7', 'Shapiro', '.shapo@leetcode.com')

SQL Query and Outcome