

# 182. Duplicate Emails

Easy

Topics

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Table: `Person`

```
+-----+-----+
| Column Name | Type   |
+-----+-----+
| id          | int    |
| email       | varchar|
+-----+-----+
```

`id` is the primary key (column with unique values) for this table.

Each row of this table contains an email. The emails will not contain uppercase letters.

Write a solution to report all the duplicate emails. Note that it's guaranteed that the email field is not NULL.

Return the result table in **any order**.

The result format is in the following example.

### Example 1:

#### Input:

Person table:

id	email
1	a@b.com
2	c@d.com
3	a@b.com

#### Output:

Email
a@b.com

**Explanation:** a@b.com is repeated two times.

## MySQL:

# Write your MySQL query statement below

```
SELECT email AS Email
FROM Person
GROUP BY email
HAVING COUNT(email) > 1;
```

## Pandas:

import pandas as pd

```
def duplicate_emails(person: pd.DataFrame) -> pd.DataFrame:
    # Group by email and count occurrences
    duplicate = person.groupby("email").size().reset_index(name="count")

    # Filter only duplicates (count > 1)
    duplicate = duplicate[duplicate["count"] > 1]

    # Select only the email column and rename it to "Email"
    result = duplicate[["email"]].rename(columns={"email": "Email"})
```

return result

## PostgreSQL:

```
-- Write your PostgreSQL query statement below
SELECT email AS Email
FROM Person
GROUP BY email
HAVING COUNT(email) > 1;
```