

# Delete Duplicate Emails

## Question:

<https://leetcode.com/problems/delete-duplicate-emails/>

| PERSON |         |
|--------|---------|
| Column | Type    |
| id     | int     |
| email  | varchar |

id is the primary key column for this table.

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

Write an SQL query to delete all the duplicate emails, keeping only one unique email with the smallest id. Note that you are supposed to write a DELETE statement and not a SELECT one.

Return the result table in any order.

## Query 1

Couldn't do this question.

I tried something similar to **CASE WHEN** but it didn't work.

Eventually looked at the discussion forum tags and found **SELF JOIN**.

```
DELETE P1
FROM Person P1,
      Person P2
WHERE P1.Email = P2.Email AND P1.Id > P2.Id
```

**PS:** In self join, we don't need to use an **ON** statement since self join automatically joins using the **primary key**.