LeetCode

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Work In Progress

Day 45/50

45. Delete Duplicate Emails

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Question

Write a solution to **delete** all duplicate emails, keeping only one unique email with the smallest `id`.

For SQL users, please note that you are supposed to write a `DELETE` statement and not a `SELECT` one.

For Pandas users, please note that you are supposed to modify `Person` in place.

After running your script, the answer shown is the `Person` table. The driver will first compile and run your piece of code and then show the `Person` table. The final order of the `Person` table **does not matter**.

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Table

Input:

Person table:

id	email
1	john@example.com
2	bob@example.com
3	john@example.com

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Approach

Used a window function ROW_NUMBER in CTE and partitioned the records by email and order by id. Then deleted all the records from reqd. table where row_num is more than 1 indicating that it has same email.

05

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Query

MySQL Auto

```sql
WITH CTE AS (
    SELECT
        *,
        ROW_NUMBER() OVER (PARTITION BY email ORDER BY id) AS row_num
    FROM person
)
DELETE FROM person WHERE id IN (
    SELECT id FROM CTE WHERE row_num > 1
);
```

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Output

Output:

```
+----+--------------------+
| id | email              |
+----+--------------------+
| 1  | john@example.com   |
| 2  | bob@example.com    |
+----+--------------------+
```

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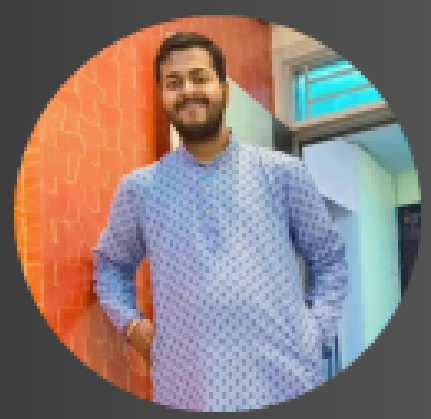

Thank You :)