

Problem 2686: Immediate Food Delivery III

Problem Information

Difficulty: Medium

Acceptance Rate: 69.84%

Paid Only: Yes

Tags: Database

Problem Description

Table: `Delivery`

+-----+-----+ | Column Name | Type | +-----+-----+
delivery_id | int | | customer_id | int | | order_date | date | | customer_pref_delivery_date | date
| +-----+-----+ delivery_id is the column with unique values of this table.
Each row contains information about food delivery to a customer that makes an order at some date and specifies a preferred delivery date (on the order date or after it).

If the customer's preferred delivery date is the same as the order date, then the order is called **immediate**, otherwise, it is **scheduled**.

Write a solution to find the percentage of immediate orders on each unique `order_date`, **rounded to 2 decimal places**.

Return _the result table ordered by_ `order_date` _in**ascending** order._

The result format is in the following example.

Example 1:

Input: Delivery table: +-----+-----+-----+-----+
delivery_id | customer_id | order_date | customer_pref_delivery_date |
+-----+-----+-----+-----+ | 1 | 1 | 2019-08-01 | 2019-08-02 ||
2 | 2 | 2019-08-01 | 2019-08-01 || 3 | 1 | 2019-08-01 | 2019-08-01 || 4 | 3 | 2019-08-02 |
2019-08-13 || 5 | 3 | 2019-08-02 | 2019-08-02 || 6 | 2 | 2019-08-02 | 2019-08-02 || 7 | 4 |
2019-08-03 || 8 | 1 | 2019-08-03 | 2019-08-03 || 9 | 5 | 2019-08-04 | 2019-08-08

```
| | 10 | 2 | 2019-08-04 | 2019-08-18 | +-----+-----+-----+
**Output:** +-----+-----+ | order_date | immediate_percentage |
+-----+-----+ | 2019-08-01 | 66.67 | | 2019-08-02 | 66.67 | | 2019-08-03 |
100.00 | | 2019-08-04 | 0.00 | +-----+-----+ **Explanation:** - On 2019-08-01
there were three orders, out of those, two were immediate and one was scheduled. So,
immediate percentage for that date was 66.67. - On 2019-08-02 there were three orders, out
of those, two were immediate and one was scheduled. So, immediate percentage for that date
was 66.67. - On 2019-08-03 there were two orders, both were immediate. So, the immediate
percentage for that date was 100.00. - On 2019-08-04 there were two orders, both were
scheduled. So, the immediate percentage for that date was 0.00. order_date is sorted 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
```