

Problem 1174: Immediate Food Delivery II

Problem Information

Difficulty: Medium

Acceptance Rate: 55.27%

Paid Only: No

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 of unique values of this table. The table holds information about food delivery to customers that make orders at some date and specify a preferred delivery date (on the same 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 called **scheduled**.

The **first order** of a customer is the order with the earliest order date that the customer made. It is guaranteed that a customer has precisely one first order.

Write a solution to find the percentage of immediate orders in the first orders of all customers, **rounded to 2 decimal places**.

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 | 2019-08-02 | 2019-08-02 || 3 | 1 | 2019-08-11 | 2019-08-12 || 4 | 3 | 2019-08-24 |
2019-08-24 || 5 | 3 | 2019-08-21 | 2019-08-22 || 6 | 2 | 2019-08-11 | 2019-08-13 || 7 | 4 |

```
2019-08-09 | 2019-08-09 | +-----+-----+-----+
**Output:** +-----+ | immediate_percentage | +-----+ | 50.00 |
+-----+ **Explanation:** The customer id 1 has a first order with delivery id 1 and it is scheduled. The customer id 2 has a first order with delivery id 2 and it is immediate. The customer id 3 has a first order with delivery id 5 and it is scheduled. The customer id 4 has a first order with delivery id 7 and it is immediate. Hence, half the customers have immediate first orders.
```

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
```