Premium

Description | Editorial | Solutions (737) | Submissions

1174. Immediate Food Delivery II

Medium | 362 | 74

Companies

SQL Schema

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.

Accepted 54.1K | Submissions 100.5K | Acceptance Rate 53.8%

Seen this question in a real interview before? 1/4

Yes No

Discussion (27)

Related Topics

MySQL | Auto

```mysql
# Write your MySQL query statement below
WITH t1 AS(
  SELECT
    customer_id,
    MIN(order_date) AS first_order_date
  FROM Delivery
  GROUP BY customer_id)

SELECT
  ROUND(SUM(IF(order_date = customer_pref_delivery_date,1,0))*100/COUNT(*),2) AS immediate_percentage
FROM Delivery
WHERE (customer_id, order_date) IN
(SELECT
  customer_id, first_order_date
FROM t1)
```

Ln 10, Col 77

Console

Run Submit