Problem 2372: Calculate the Influence of Each Salesperson

Problem Information

Difficulty: Medium
Acceptance Rate: 84.01%
Paid Only: Yes
Tags: Database

Problem Description

Table: `Salesperson`

+----------------+---------+ | Column Name | Type | +----------------+---------+ | salesperson_id | int | | name | varchar | +----------------+---------+ salesperson_id contains unique values. Each row in this table shows the ID of a salesperson.

Table: `Customer`

+----------------+------+ | Column Name | Type | +----------------+------+ | customer_id | int | | salesperson_id | int | +----------------+------+ customer_id contains unique values. salesperson_id is a foreign key (reference column) from the Salesperson table. Each row in this table shows the ID of a customer and the ID of the salesperson.

Table: `Sales`

+-------------+------+ | Column Name | Type | +-------------+------+ | sale_id | int | | customer_id | int | | price | int | +-------------+------+ sale_id contains unique values. customer_id is a foreign key (reference column) from the Customer table. Each row in this table shows ID of a customer and the price they paid for the sale with sale_id.

Write a solution to report the sum of prices paid by the customers of each salesperson. If a salesperson does not have any customers, the total value should be `0`.

Return the result table in **any order**.

The result format is shown in the following example.

Example 1:

Input: Salesperson table: +----------------+-------+ | salesperson_id | name | +----------------+-------+ | 1 | Alice | | 2 | Bob | | 3 | Jerry | +----------------+-------+ Customer table: +-------------+----------------+ | customer_id | salesperson_id | +-------------+----------------+ | 1 | 1 | | 2 | 1 | | 3 | 2 | +-------------+----------------+ Sales table: +---------+-------------+-------+ | sale_id | customer_id | price | +---------+-------------+-------+ | 1 | 2 | 892 | | 2 | 1 | 354 | | 3 | 3 | 988 | | 4 | 3 | 856 | +---------+-------------+-------+ **Output:** +----------------+-------+-------+ | salesperson_id | name | total | +----------------+-------+-------+ | 1 | Alice | 1246 | | 2 | Bob | 1844 | | 3 | Jerry | 0 | +----------------+-------+-------+ **Explanation:** Alice is the salesperson for customers 1 and 2. - Customer 1 made one purchase with 354. - Customer 2 made one purchase with 892. The total for Alice is 354 + 892 = 1246. Bob is the salesperson for customers 3. - Customer 1 made one purchase with 988 and 856. The total for Bob is 988 + 856 = 1844. Jerry is not the salesperson of any customer. The total for Jerry is 0.

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
```