

Problem 183: Customers Who Never Order

Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

Table:

Customers

+-----+-----+ | Column Name | Type | +-----+-----+ | id | int | | name | varchar |
+-----+-----+ id is the primary key (column with unique values) for this table. Each row
of this table indicates the ID and name of a customer.

Table:

Orders

+-----+-----+ | Column Name | Type | +-----+-----+ | id | int | | customerId | int |
+-----+-----+ id is the primary key (column with unique values) for this table. customerId
is a foreign key (reference columns) of the ID from the Customers table. Each row of this table
indicates the ID of an order and the ID of the customer who ordered it.

Write a solution to find all customers who never order anything.

Return the result table in

any order

The result format is in the following example.

Example 1:

Input:

Customers table: +---+-----+ | id | name | +---+-----+ | 1 | Joe | | 2 | Henry | | 3 | Sam | | 4 | Max | +---+-----+ Orders table: +---+-----+ | id | customerId | +---+-----+ | 1 | 3 | | 2 | 1 | +---+-----+

Output:

+-----+ | Customers | +-----+ | Henry | | Max | +-----+

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
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def find_customers(customers: pd.DataFrame, orders: pd.DataFrame) ->
    pd.DataFrame:
```

Solutions

MySQL Solution:

```
# Write your MySQL query statement below
```

MS SQL Server Solution:

```
/* Write your T-SQL query statement below */
```

PostgreSQL Solution:

```
-- Write your PostgreSQL query statement below
```

Oracle Solution:

```
/* Write your PL/SQL query statement below */
```

Pandas Solution:

```
import pandas as pd

def find_customers(customers: pd.DataFrame, orders: pd.DataFrame) ->
    pd.DataFrame:
```