Problem 1098: Unpopular Books

Problem Information

Difficulty: Medium
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table:

Books

+----------------+---------+ | Column Name | Type | +----------------+---------+ | book_id | int | | name | varchar | | available_from | date | +----------------+---------+ book_id is the primary key (column with unique values) of this table.

Table:

Orders

+----------------+---------+ | Column Name | Type | +----------------+---------+ | order_id | int | | book_id | int | | quantity | int | | dispatch_date | date | +----------------+---------+ order_id is the primary key (column with unique values) of this table. book_id is a foreign key (reference column) to the Books table.

Write a solution to report the

books

that have sold

less than

10

copies in the last year, excluding books that have been available for less than one month from today.

Assume today is

2019-06-23

.

Return the result table in

any order

.

The result format is in the following example.

Example 1:

Input:

Books table: +---------+--------------------+----------------+ | book_id | name | available_from | +---------+--------------------+----------------+ | 1 | "Kalila And Demna" | 2010-01-01 | | 2 | "28 Letters" | 2012-05-12 | | 3 | "The Hobbit" | 2019-06-10 | | 4 | "13 Reasons Why" | 2019-06-01 | | 5 | "The Hunger Games" | 2008-09-21 | +---------+--------------------+----------------+ Orders table: +----------+---------+----------+---------------+ | order_id | book_id | quantity | dispatch_date | +----------+---------+----------+---------------+ | 1 | 1 | 2 | 2018-07-26 | | 2 | 1 | 1 | 2018-11-05 | | 3 | 3 | 8 | 2019-06-11 | | 4 | 4 | 6 | 2019-06-05 | | 5 | 4 | 5 | 2019-06-20 | | 6 | 5 | 9 | 2009-02-02 | | 7 | 5 | 8 | 2010-04-13 | +----------+---------+----------+---------------+

Output:

+-----------+--------------------+ | book_id | name | +-----------+--------------------+ | 1 | "Kalila And Demna" | | 2 | "28 Letters" | | 5 | "The Hunger Games" | +-----------+--------------------+

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 unpopular_books(books: 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 unpopular_books(books: pd.DataFrame, orders: pd.DataFrame) ->
pd.DataFrame:
```