

Question:

You are given the following two tables:

Transactions

TransactionID	CustomerID	TransactionDate	Amount
1	101	2023-01-15	200.00
2	102	2023-01-20	500.00
3	101	2023-01-25	300.00
4	103	2023-02-01	150.00
5	102	2023-02-10	350.00

Customers

CustomerID	CustomerName	SignUpDate
101	John Smith	2023-01-10
102	Jane Doe	2023-01-05
103	Emily Davis	2023-02-01

Task:

Find the **total amount spent** by each customer who made their **first transaction within 10 days** of their signup date. Include the customer's name, signup date, first transaction date, and total amount spent, sorted by the total amount spent in descending order.

**** QUERY:**

```
SELECT C.CustomerID, C.CustomerName, C.SignUpDate,
       MIN(T.TransactionDate) AS First_Transaction_Date,
       SUM(T.Amount) AS Total_Spent
FROM CUSTOMERS AS C
LEFT JOIN TRANSACTIONS AS T
ON C.CustomerID = T.CustomerID
WHERE T.TransactionDate <= DATE_ADD(C.SignUpDate, INTERVAL 10 DAY)
GROUP BY C.CustomerID, C.CustomerName, C.SignUpDate
ORDER BY Total_Spent DESC
;
```