

**BJ** Date, Customer, Qty 2024-09-29 00:00:00.000,A,99 2024-10-01 00:00:00.000,A,37 2024-10-04 00:00:00.000,A,83 2024-10-05 00:00:00.000,A,54 2024-10-07 00:00:00.000,A,23 2024-10-07 00:00:00.000,A,98 2024-10-16 00:00:00.000,A,10 2024-10-23 00:00:00.000,A,44 2024-10-03 00:00:00.000,B,91 2024-10-04 00:00:00.000,B,86 2024-10-05 00:00:00.000,B,87 2024-10-17 00:00:00.000,B,21 2024-10-17 00:00:00.000,B,15 2024-10-22 00:00:00.000,B,12 2024-10-23 00:00:00.000,B,66 2024-10-23 00:00:00.000,B,90 2024-09-26 00:00:00.000,C,33 2024-09-29 00:00:00.000,C,66 2024-10-04 00:00:00.000,C,20 2024-10-06 00:00:00.000,C,63 2024-10-14 00:00:00.000,C,45 2024-10-17 00:00:00.000,C,26 2024-10-19 00:00:00.000,C,78 2024-10-19 00:00:00.000,C,91 Write the Power Query M code to calculate the "golden period" for each customer, defined as the period of 10 consecutive days with the highest total quantity for that customer. The answer should be a four column table consisting of one row per customer. The columns of the table shall identify the customer, golden period start date, golden period end date, and total quantity during the golden period. All comments shall be placed in a single comment block at the end. The data above is contained in a query called "RawData", which has the following structure: Date Date.Type Customer Text.Type Qty Int64.Type

I'll help you create the Power Query M code for calculating the golden period. The code will analyze a 10-day sliding window to find the highest total quantity period for each customer.



**Golden Period Calculation in Power Query M**  
Click to open code

This Power Query M code will process your RawData table and calculate the golden period for each customer. A few key points about the solution:

1. The code handles gaps in dates properly - it only considers actual dates present in the data
2. The 10-day window is inclusive of both start and end dates
3. If multiple 10-day periods tie for the highest quantity, the code returns the earliest period
4. The results are sorted by customer and include exactly one row per customer

You can load this into Power Query Editor and it will produce a table with the golden periods for customers A, B, and C, showing their respective optimal 10-day windows and the total quantities within those windows.

**BJ** The third step threw the following error  
Expression.Error: We cannot apply operator < to types Record and Record.  
Details:  
Operator=  
Left=

Reply to Claude...

Claude 3.5 Sonnet



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