Demonstration on Creating Calculated Columns and Measures with DAX

In this demonstration, you will see how to:

- Create calculated columns.
- Add a new table.
- Create a new measure.

Demonstration Steps:

1. In Power BI Desktop, in the view pane, click Data to open the data view.
2. In the Fields pane, click DimCustomer to select the table, and preview the data.
3. Right-click DimCustomer and click New column.
4. In the formula bar, highlight Column =, and type:
   FullName = [FirstName] & " " & [LastName]
5. Press Enter.
6. If the new column is not visible, scroll to the right of the table. Note the new FullName column in the table. In the Fields pane, point out the icon next to the new column, which indicates that this has been created using a DAX formula.
7. In the Fields pane, right-click DimCustomer and click New column.
8. In the formula bar, highlight Column =, and type:
   MaleFemale = IF([Gender] = "M", "Male", "Female")
9. Press Enter.
10. Note the new column at the end of the table.
11. On the Modeling ribbon, in the Calculations group, click New Column.
12. In the formula bar, highlight Column =, and type:
    Relationship = IF([MaritalStatus] = "M", "Married", "Single")
13. Press Enter.
14. Note the new column at the end of the table.
15. On the Modeling ribbon, in the Calculations group, click New Table.
16. In the formula bar, highlight Table =, and type:
    DimCountry = DATATABLE (
    "Country", STRING, "Code", STRING,
    {
    {"United States", "US"},
    {"United Kingdom", "UK"},
    {"France", "FR"},
    {"Germany", "DE"},
    {"Spain", "ES"}
    }
)
17. Click Enter.
18. In the Fields pane, note the new table.

19. On the Modeling ribbon, in the Calculations group, click New Measure.

20. In the formula bar, highlight Measure =, and type:

MostRecentOrder = MAX(FactInternetSales[OrderDateKey])

21. Press Enter.

22. In the Fields pane, note the icon next to the measure, to indicate that this is a calculated field.

23. In the Fields pane, click the MostRecentOrder field.

24. On the Modeling ribbon, in the Properties group, click Home Table: DimCountry, and click FactInternetSales. This moves the measure so that it resides in the FactInternetSales table.

25. In the Fields pane, note that the MostRecentOrder measure now appears under FactInternetSales.

26. Close Power BI Desktop, saving any changes.