**Creating Calculated Columns and Measures with DAX**

**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]

1. Press Enter.
2. 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.
3. In the **Fields** pane, right-click **DimCustomer** and click **New column**.
4. In the formula bar, highlight **Column =**, and type:

MaleFemale = IF([Gender] = "M", "Male", "Female")

1. Press Enter.
2. Note the new column at the end of the table.
3. On the **Modeling** ribbon, in the **Calculations** group, click **New Column**.
4. In the formula bar, highlight **Column =**, and type:

Relationship = IF([MaritalStatus] = "M", "Married", "Single")

1. Press Enter.
2. Note the new column at the end of the table.
3. On the **Modeling** ribbon, in the **Calculations** group, click **New Table**.
4. 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"}

}

)

1. Click Enter.
2. In the **Fields** pane, note the new table.
3. On the **Modeling** ribbon, in the **Calculations** group, click **New Measure**.
4. In the formula bar, highlight **Measure =**, and type:

MostRecentOrder = MAX(FactInternetSales[OrderDateKey])

1. Press Enter.
2. In the **Fields** pane, note the icon next to the measure, to indicate that this is a calculated field.
3. In the **Fields** pane, click the **MostRecentOrder** field.
4. 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.
5. In the **Fields** pane, note that the **MostRecentOrder** measure now appears under **FactInternetSales**.
6. Close Power BI Desktop, saving any changes.