Microsoft
Power Platform

Power BI
BETA - DAX in a Day

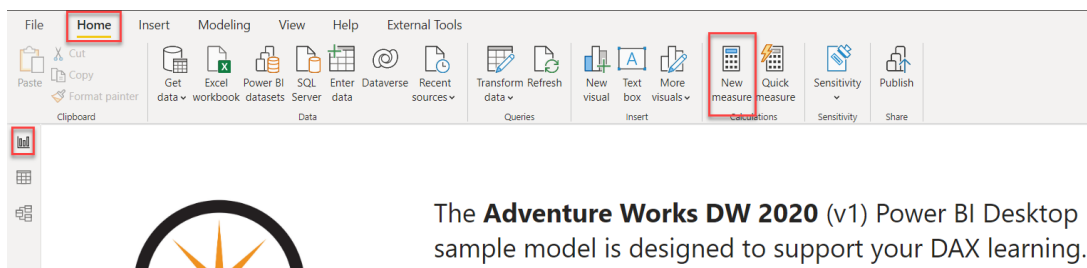Lab 02

Write DAX Formulas for Power BI

Overview

The estimated time to complete this lab is: 15 min
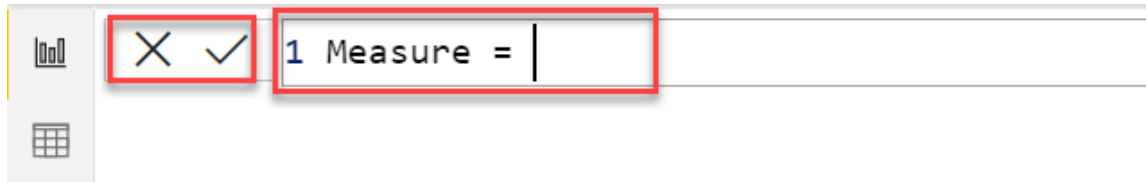
Exercise 1 – DAX Formulas

The next exercise shows how to add a measure and then add it to the report.

1. Open the **Adventure Works DW 2020.pbix** Power BI Desktop file.

2. Ensure that you are in Report section, from the [Home] tab select New Measure.

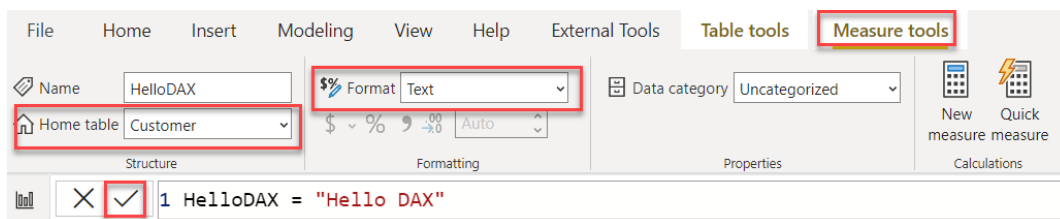The **Adventure Works DW 2020** (v1) Power BI Desktop sample model is designed to support your DAX learning.

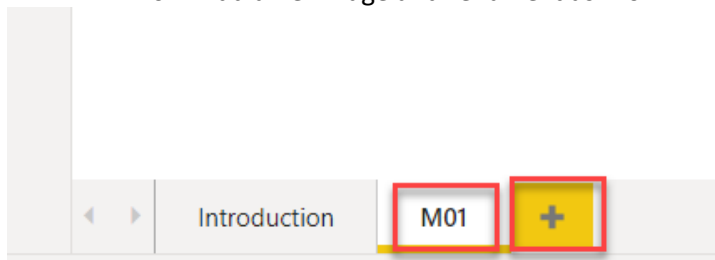3. Notice a formula bar showing the following. Cancel (x), Ok (v).

4. Replace the text "Measure = "with following.

```
HelloDAX = "Hello DAX"
```
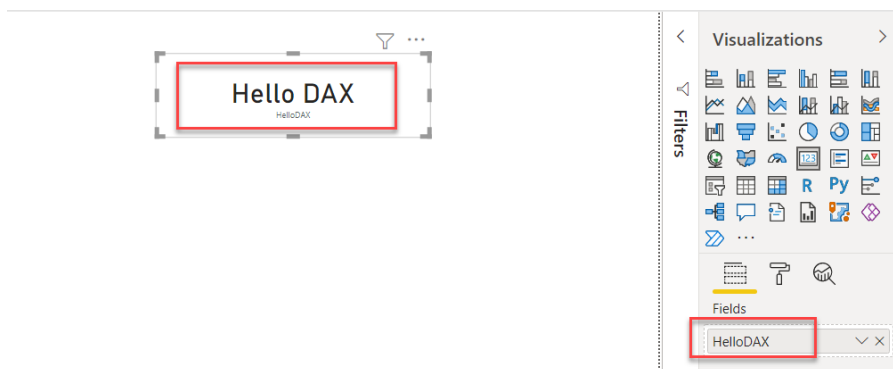
5. Click either Enter key from the keyboard or select [Ok] from the formula bar. Notice that the Menu option now shows [Measure Tools] and several formatting options shows up, pay attention toward [Home table]. That is where the new measure will show up.

6. Add a new Page and rename it as M01.

7. In the new Page, drag a card visual. Also drag the measure you created above in the card visual.

Exercise 2 – DAX Formulas

The next exercise shows how to add a measure and then add it to the report.

1. Continue with the file from Exercise 1.
2. Ensure you are in M01 page. Create another Measure following the same process as above. Home -> New Measure.
3. In the formula bar replace the text with the following.

```
Hellovar =
      var x = 5
      var y = 6
return
      x * y
```

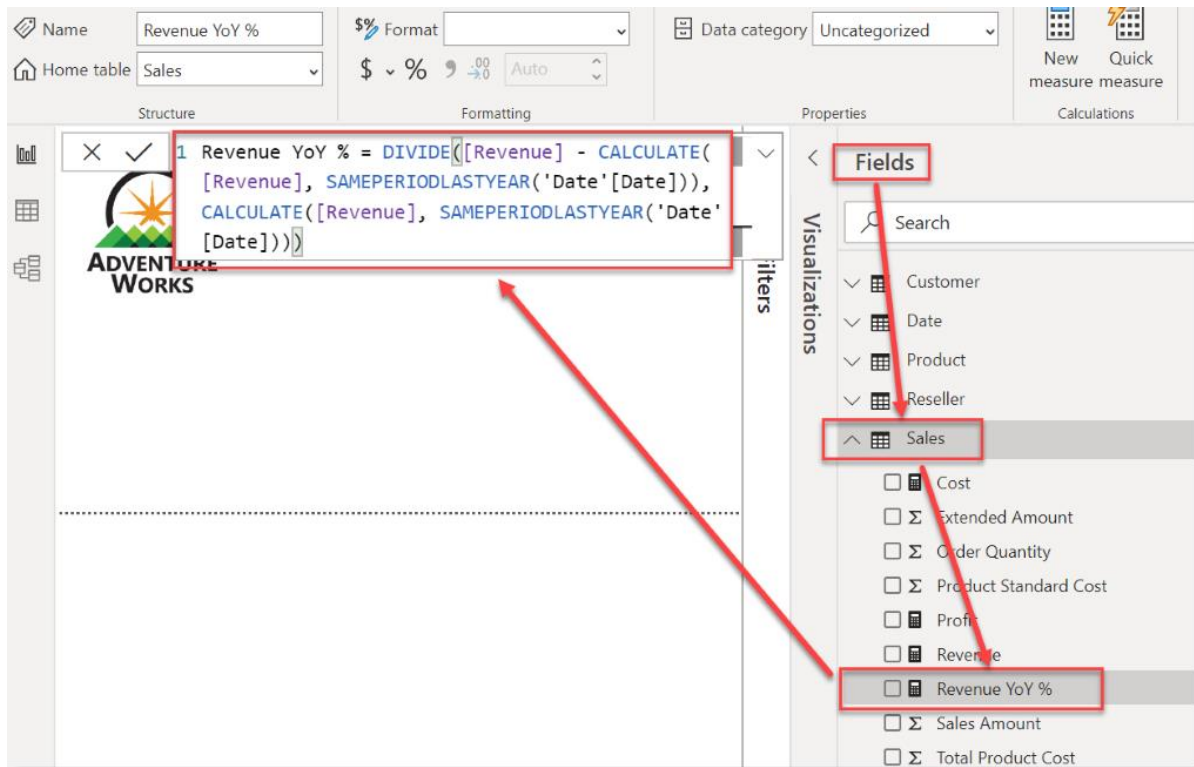4. From the visualization, add another card visual and add [Hellovar] measure.

```
1 Hellovar =
2 var x = 5
3 var y = 6
4 return
5 x * y
```


Exercise 3 – Refactor measure

The next exercise shows how to add a measure and then refactor it

1. In the **Fields** pane, expand the **Sales** table to show columns and measures and click the **Revenue YoY %** measure.

3. Click into the formula box and refactor the DAX expression to use a variable instead of the existing expression.

```
Revenue YoY % =

VAR RevenuePriorYear =
        CALCULATE(
                [Revenue],
                SAMEPERIODLASTYEAR('Date'[Date])
        )
RETURN
        DIVIDE(
                [Revenue] - RevenuePriorYear,
                RevenuePriorYear
        )
```

4.
Replace the existing DAX expression with the following text.

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