# DAX

We code in using DAX language to perform any logic.

## Functions

1. Month: This function is to extract month from the date column.
2. Year: This function is to extract the year column
3. day: This function is to extract the date from the column
4. Quarter : This function is to extract the quarter column
5. Weekday: Day of the week( Sunday = 1, by default ). In case we want to start your day from Monday use this Weekday(…., 2)
6. Upper = To convert into upper case
7. Left(value, n): n number of letters will be extracted from left
8. RIGHT(value, n): n number of letters will be extracted from RIGHT
9. Mid(value, n, m): n will be the index from where the extraction will start. M is the number of characters to be extracted from nth position. Total number of letters extracted will be m including the nth position letter.
10. DateDiff: This is finding the difference between two dates
11. If : Logical test.
12. Switch : Multiple Logical condition. Similar thing can be performed using if with **(if x in {, , , } )** combination.

## Format

It is used to convert the value in the desired format TEXT.

20000 ->> 20,000

Format(20000, “Standard”)

Use this link: <https://learn.microsoft.com/en-us/dax/> to explore the keywords. Go to order table for reference , many columns are created using Dax.

## Variable Syntax

Column name =

Var <varName> = f(x) // Every row is passed in the given function and based on the function the value is returned//

Return // Double line space is necessary before Return//

varname

Whenever we use **var** to store the value**,** we need to **return** keyword