**DIFFERENCE BETWEEN FUNCTION AND FORMULA IN EXCEL**

**FUNCTION**

**A function is a built in set of executable codes to perform a specific task. For example, the Sum() function will add a group of numbers within the range specified in the parenthesis. But what if you want to add half the numbers, then add the other half, and multiply the two sums together. There is no prebuilt function in Excel to do that. You need to write a formula.**

**Functions are preset formulas that are included in the Excel application. For example, you can use the SUM function to add the values in a range of cells.  The function would be similar to the following =SUM(E4:E15).**

**Functions perform calculations by using specific values, called the arguments.**

**FORMULA  
A formula is statement written by the user to be calculated. Formulas can be as simple or as complex as the user wants. A formula can contain values, references to cells, defined names, and functions.**

**A formula is a set of commands to generate a specific result. The commands may include functions. For example, I could write a simple formula: =sum(a1:a12)\*sum(b1:b12). This formula combines the Sum function with the multiplication operator to create the formula.**

**The Formula is made up of the various Functions and the ranges that the function is performed upon. =Sum is a function. =Sum(a2:a25) is a formula.**