What is the syntax used in Excel?

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The syntax used in Excel refers to the specific set of rules and guidelines that dictate the correct structure and format for entering data and creating formulas in a Microsoft Excel spreadsheet. It includes the use of various mathematical and logical operators, function names, cell references, and other elements that are used to perform calculations and manipulate data in a spreadsheet. Proper understanding and application of Excel syntax is essential for accurately inputting and analyzing data in a spreadsheet.

Excel Syntax

Syntax

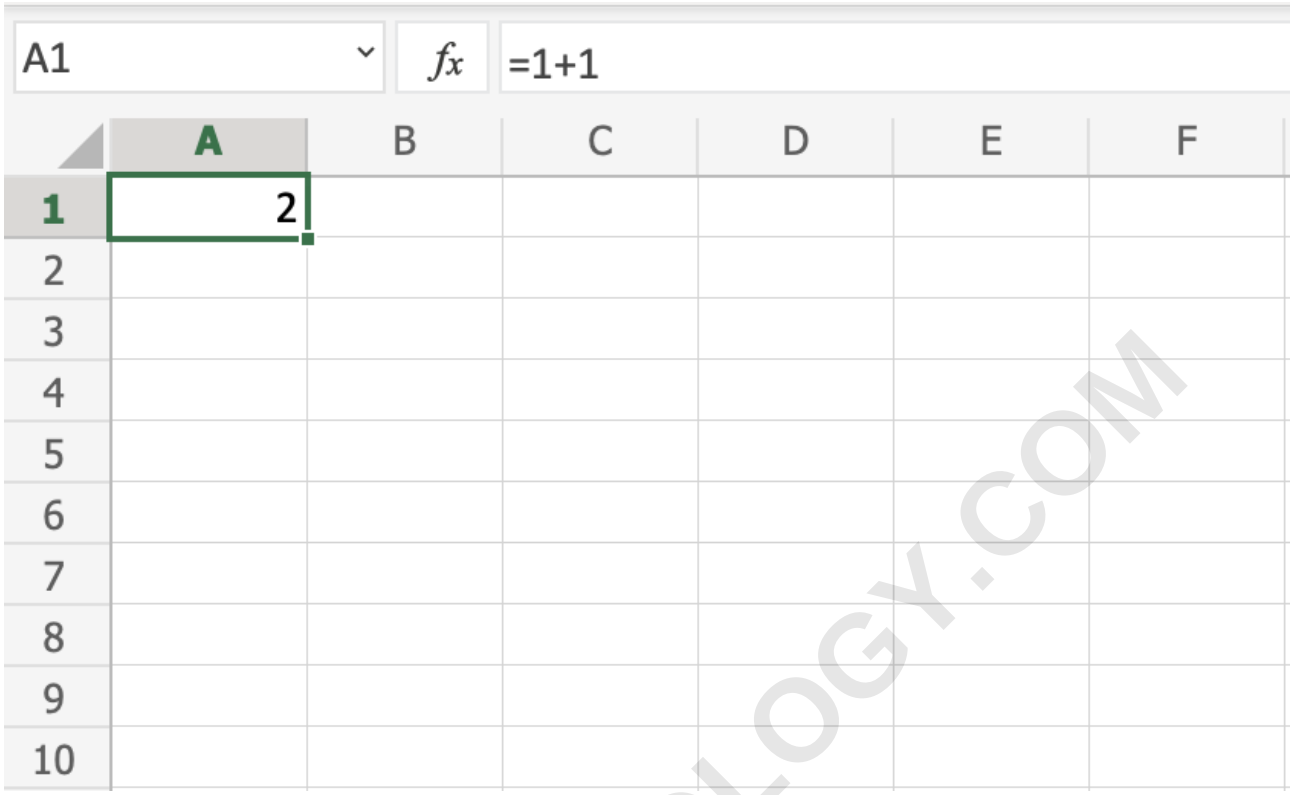
A formula in Excel is used to do mathematical calculations. Formulas always start with the equal sign `=` typed in the cell, followed by your calculation.

Note: You claim the cell by selecting it and typing the equal sign (=)

Creating formulas, step by step

Select a cellType the equal sign (=)Select a cell or type valueEnter an arithmetic operatorSelect another cell or type valuePress enter

For example `=1+1` is the formula to calculate **1+1=2**



Note: The value of a cell is communicated by **reference(value)** for example `A1(2)`

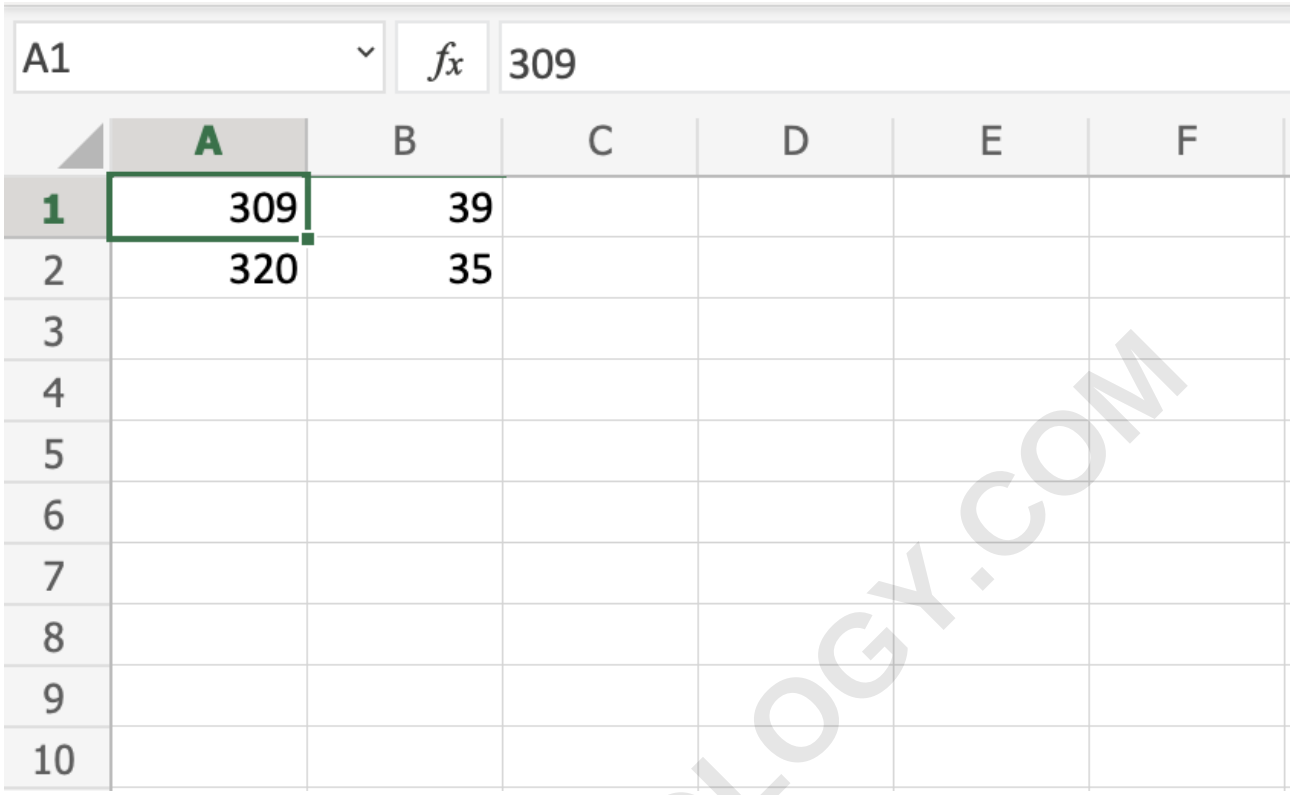
Using Formulas with Cells

You can type values to cells and use them in your formulas.

Lets type some dummy values to get started. Double click the cells to type values into them. Go ahead and type:

```
A1(309)A2(320)B1(39)B2(35)
```

Compare with the picture shown below:



Copy Values

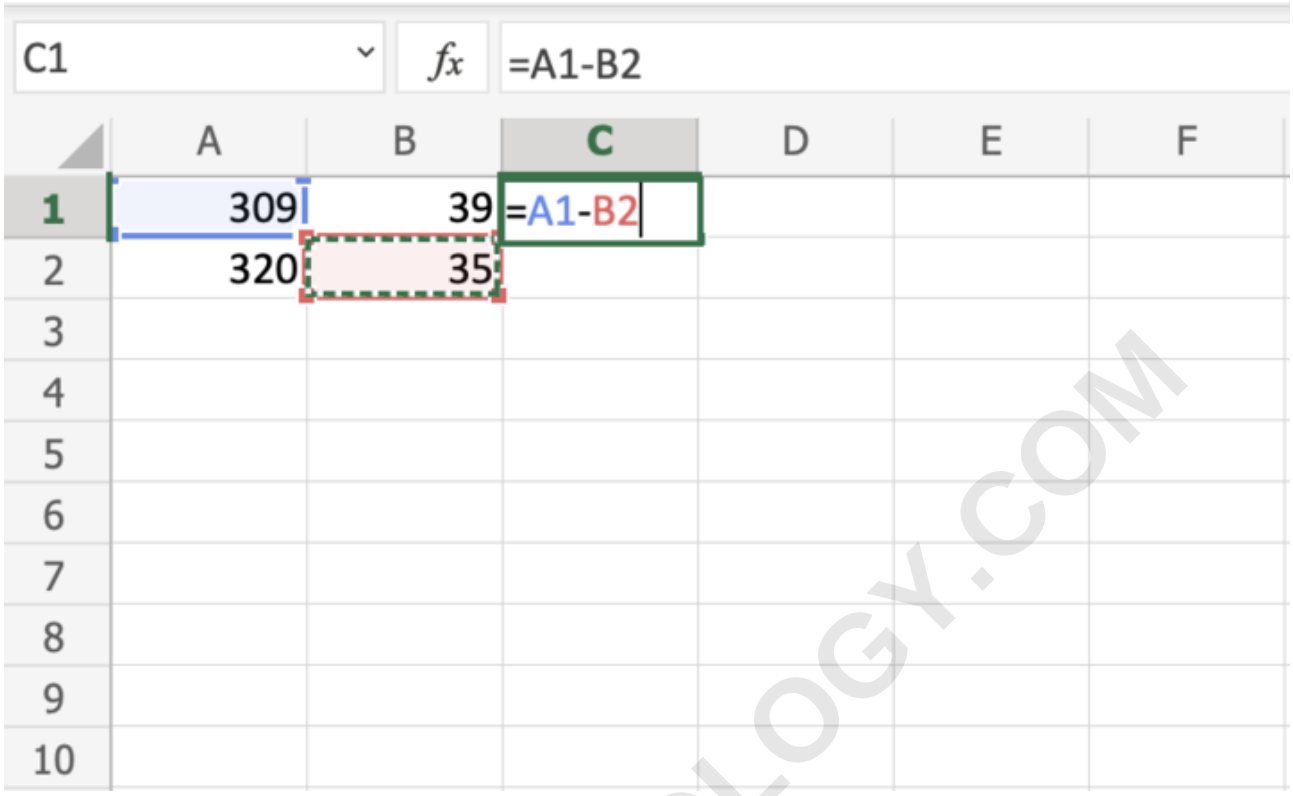
Note: Type values by selecting a cell, claim it by entering the equal sign (=) and then type your value. For example `=309`.

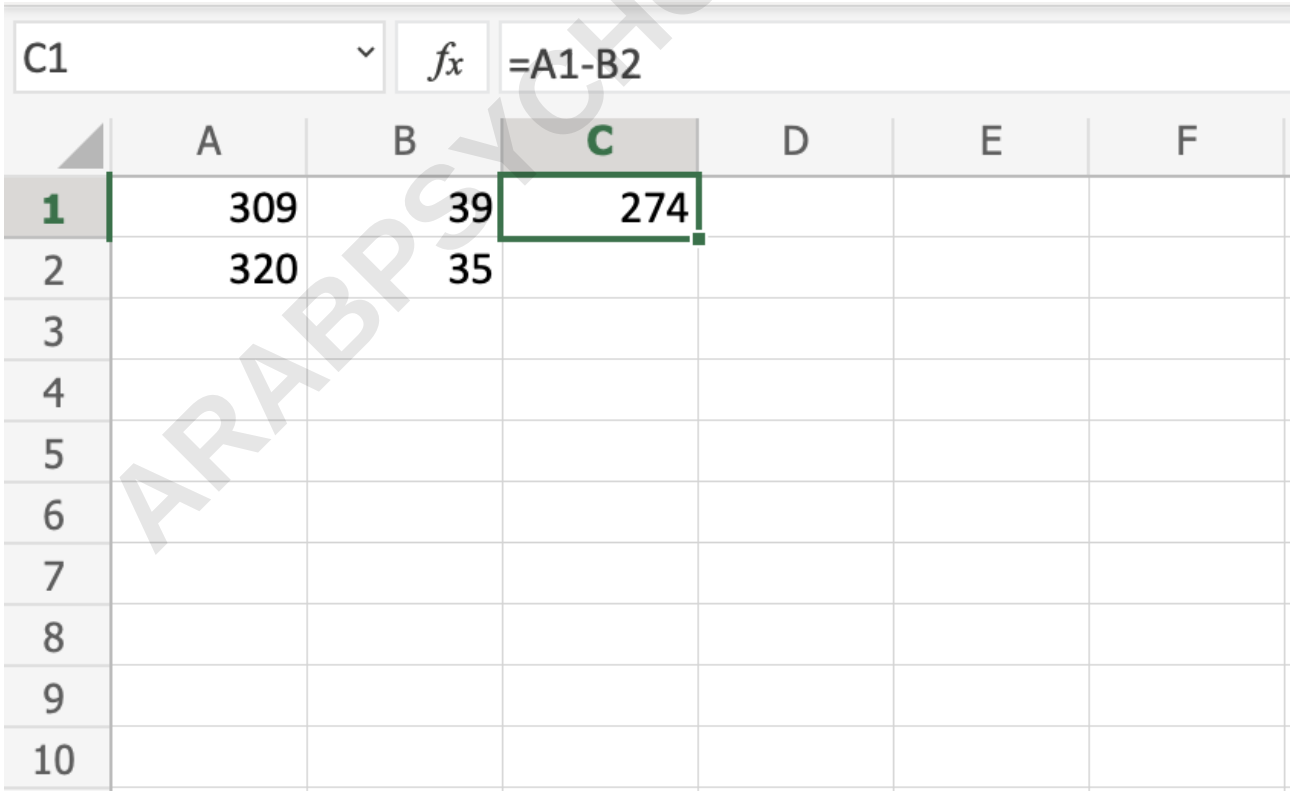
Well done! You have successfully typed values to cells and now we can use them to create formulas.

Here is how to do it, step by step.

Select the cell `C1`Type the equal sign (=)Left click on `A1`, the cell that has the `(309)` valueType the minus sign (-)Left click on `B2`, the cell that has the `(35)` valueHit enter

Tip: The formula can be typed directly without clicking the cells. The typed formula would be the same as the value in `C1(=A1-B2)`.





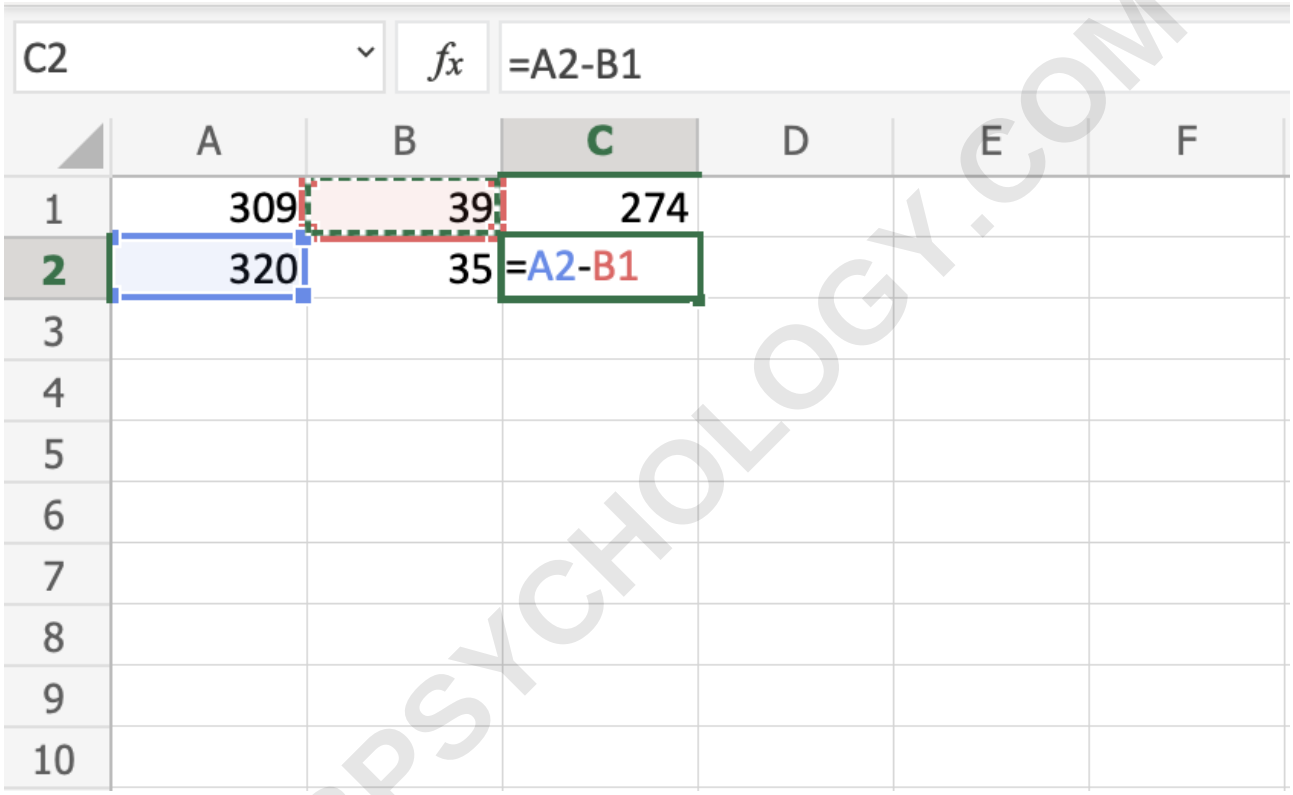
The result after hitting the enter button is `C1(274)`. Did you make it?

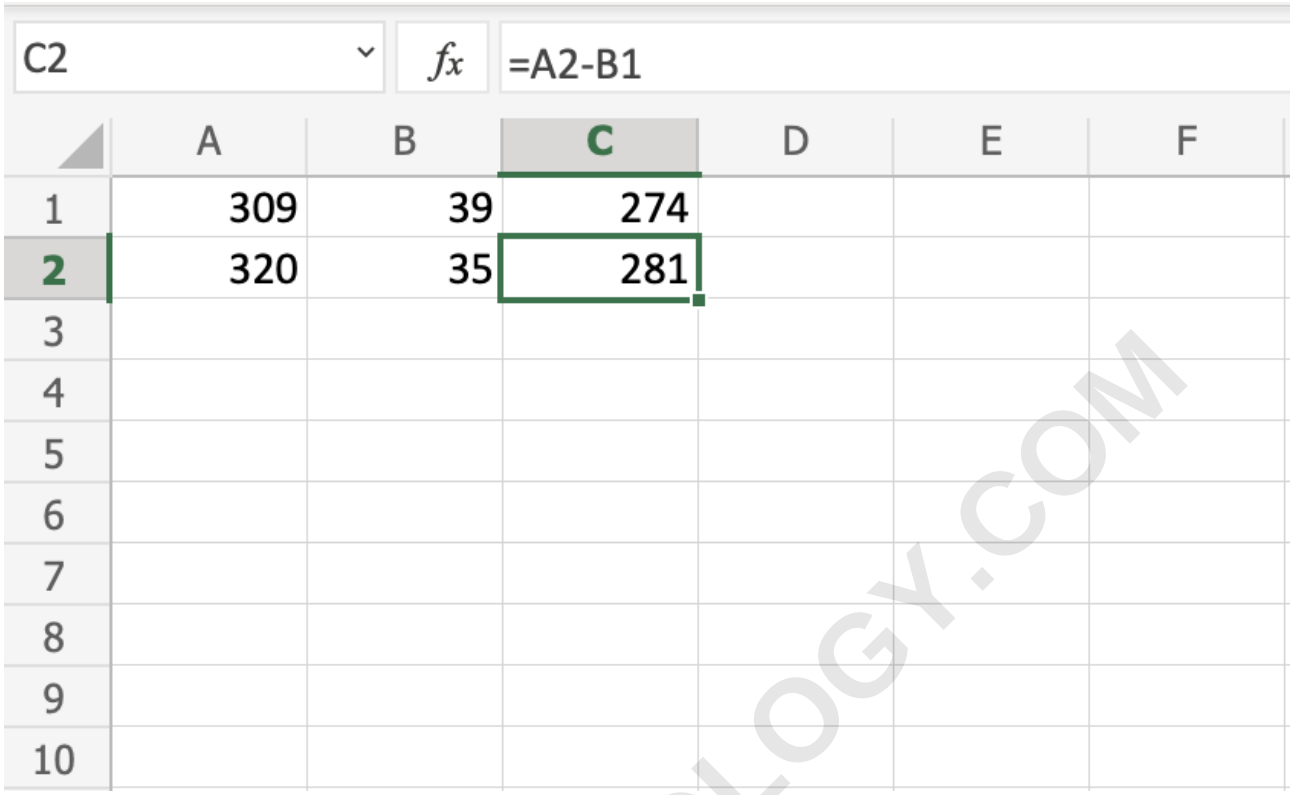
Another Example

Let's try one more example, this time let's make the formula `=A2-B1`.

Here is how to do it, step by step.

Select the cell `C2`Type the equal sign (`=`)Left click `A2`, the cell that has the `(320)` valueType the minus sign (`-`)Left click `B1`, the cell that has the `(39)` valueHit the enter button





You got the result `C2(281)`, right? **Way to go!**

Note: You can make formulas with all four arithmetic operations, such as addition (+), subtraction (-), multiplication (*) and division (/).

Here are some examples:

```
=2+4 gives you 6=4-2 gives you 2=2*4 gives you 8=2/4 gives you 0.5
```

In the next chapter you will learn about **Ranges** and how data can be moved in the **Sheet**.

Test Yourself With Exercises

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