

AND function in Excel

Logical functions are used a lot in Excel with results that return TRUE, FALSE. The AND function is a very common logical function in Excel, but for those of you who are new to Excel, it may not be clear.

Logical functions are used a lot in Excel with results that return TRUE, FALSE. The AND function is a very common logical function in Excel, but for those of you who are new to Excel, it may not be clear.

You can refer to the following article with examples to better understand how to use the AND function in Excel.

Description

The AND function helps you to test logic of many different conditions instead of one condition. The function returns TRUE if all of the function's arguments are TRUE and returns FALSE if one or more qualifying arguments are FALSE.

Syntax

= AND (logical1, [logical2], .)

Inside:

- **logical1:** required argument, is the first condition to be converted into logical values ??or arrays or references containing logical values.
- **logical2, ..:** optional, additional conditions up to 255 conditions.

Note:

- All arguments must return a logical value such as TRUE or FALSE.
- If an array or reference argument contains text or empty cells, that argument will be ignored.
- If there is no logical value, AND returns the #VALUE! Error value.

For example

1. If you enter = AND (TRUE, TRUE, TRUE) the result will return TRUE because both arguments are TRUE.

E6		fx =AND(TRUE,TRUE,TRUE)				
	A	B	C	D	E	F
1						
2	Hàm AND trong Excel					
3	thuthuatphanmem.vn					
4						
5	HÀM				KẾT QUẢ	
6	Hàm: =AND(TRUE,TRUE,TRUE)				TRUE	
7						
8	Hàm: =AND(TRUE,FALSE,TRUE)					
9						
10	Hàm: =AND(2*3=6,2+3=5)					
11						

2. If you enter = AND (TRUE, FALSE, TRUE), the result will be FALSE because there is an FALSE argument.

E8		fx =AND(TRUE,FALSE,TRUE)				
	A	B	C	D	E	F
1						
2	Hàm AND trong Excel					
3	thuthuatphanmem.vn					
4						
5	HÀM				KẾT QUẢ	
6	Hàm: =AND(TRUE,TRUE,TRUE)				TRUE	
7						
8	Hàm: =AND(TRUE,FALSE,TRUE)				FALSE	
9						
10	Hàm: =AND(2*3=6,2+3=5)					
11						

3. You can enter the function directly as = AND (2 * 3 = 6, 2 + 3 = 5) the result is TRUE because the arguments are all TRUE.

E10		fx =AND(2*3=6, 2+3=5)				
	A	B	C	D	E	F
1						
2	Hàm AND trong Excel					
3	thuthuatphanmem.vn					
4						
5	HÀM				KẾT QUẢ	
6	Hàm: =AND(TRUE,TRUE,TRUE)				TRUE	
7						
8	Hàm: =AND(TRUE,FALSE,TRUE)				FALSE	
9						
10	Hàm: =AND(2*3=6, 2+3=5)					
11						

4. For the data table shown in the figure below, request the use of the AND function to check whether the student registration numbers and names are correct or incorrect.

1				
2	Hàm AND trong Excel			
3	thuthuatphanmem.vn			
4				
5		SBD	Họ và Tên	Kết quả
6		1	Nguyễn Văn An	
7		2	Đình Văn Bình	
8		3	Nguyễn Hồng Duyên	
9		4	Nguyễn Thị Hà	
10		5	Phạm Thu Hằng	
11				

Check SBD 1, if true, the result will be TRUE.

D6		fx		=AND(B6=1,C6="Nguyễn Văn An")		
	A	B	C	D	E	F
1						
2	Hàm AND trong Excel					
3	thuthuatphanmem.vn					
4						
5		SBD	Họ và Tên	Kết quả		
6		1	Nguyễn Văn An	TRUE		
7		2	Đình Văn Bình			
8		3	Nguyễn Hồng Duyên			
9		4	Nguyễn Thị Hà			
10		5	Phạm Thu Hằng			
11						

If false, the result will be FALSE.

	A	B	C	D	E	F
1						
2	Hàm AND trong Excel					
3	thuthuatphanmem.vn					
4						
5		SBD	Họ và Tên	Kết quả		
6		1	Nguyễn Văn An	TRUE		
7		2	Đình Văn Bình	FALSE		
8		3	Nguyễn Hồng Duyên			
9		4	Nguyễn Thị Hà			
10		5	Phạm Thu Hằng			
11						

So, with the above examples, you must have a better understanding of the AND function in Excel. You can use functions on requests as appropriate. Good luck!

You finished reading the article "**AND function in Excel**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.