

TUTORIAL – GENERATING RANDOM DATA and TABLES

If you are in a situation where you need to create tuples of information for a relation and you are not feeling that creative you can use this little tutorial. The first discusses the random name generator and the second part discusses concatenation for creating the SQL script.

For generating random numbers you just use the RANDBETWEEN function and specify the number range.

Find Out How to Generate Random Names in Excel

Excel allows us to get a random number from a range using the CHOOSE and RANDBETWEEN functions. This step by step tutorial will assist all levels of Excel users to learn how to randomly generate words in Excel.

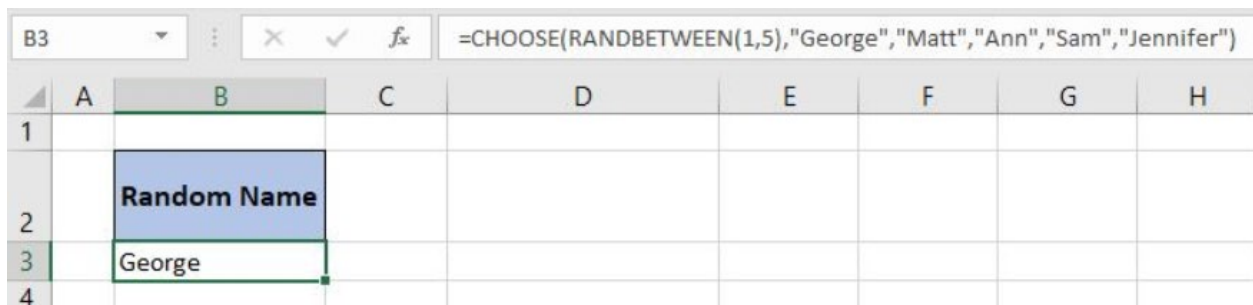


Figure 1. The final result of the formula

Syntax of the RANDBETWEEN Formula

The generic formula for the RANDBETWEEN function is:

=RANDBETWEEN(bottom, top)

The parameters of the RANDBETWEEN function are:

- bottom – a value from which we want to get a random value
- top – a value to which we want to get a random value.

Syntax of the CHOOSE Formula

The generic formula for the CHOOSE function is:

=CHOOSE(index_num, value1, [value2], [value3],...)

The parameters of the CHOOSE function are:

- index_num – an index of the value which we want to retrieve
- value1, [value2], [value3],... – a list of values from which one value is returned.

Get a Random Name Using the Formula

In the cell B3, we want to get a random name from the name list: “Mike”, “John”, “Lilly”, “Robert” and “Jennifer”.

The formula looks like:

```
=CHOOSE(RANDBETWEEN(1,5), "George", "Matt", "Ann", "Sam", "Jennifer")
```

The parameter bottom of the RANDBETWEEN function is 1 and the top is 5. The result of this function is a random number between 1 and 5 which is the index_num parameter of the CHOOSE function. The values of the function are “George”, “Matt”, “Ann”, “Sam”, “Jennifer”.

To apply the formula, we need to follow these steps:

- Select cell B3 and click on it
- Insert the formula: `=CHOOSE(RANDBETWEEN(1,5), "George", "Matt", "Ann", "Sam", "Jennifer")`
- Press enter.

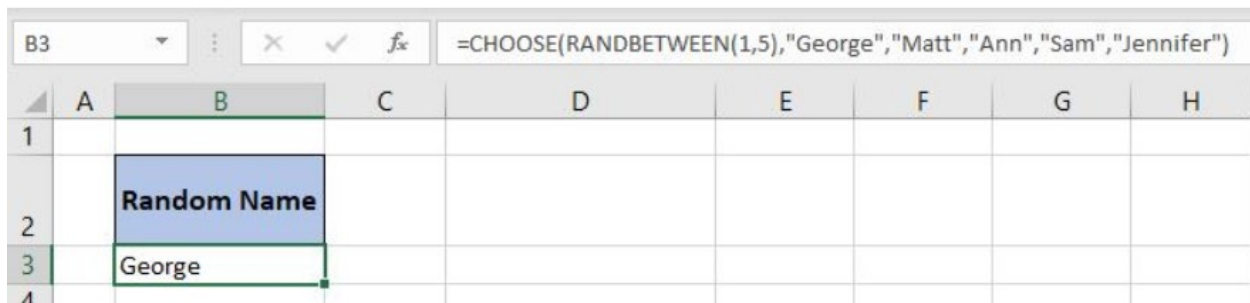


Figure 2. Using the formula to get a random name from the range

If we evaluate the function, we can see that the RANDBETWEEN function returns number 1. Therefore, the CHOOSE function returns the first value from the values. Finally, the result in the B3 cell is “George”

YOU CAN ALSO USE THIS HANDY LINK <https://www.name-generator.org.uk/>

Once you have your list than copy, move your mouse/cursor the position of the excel template for your script and select PASTE SPECIAL and select PASTE VALUES.

To Create the Script, simply use the concatenate function, select the variable cells, and hard code in the ' and the , and the " and the ; and any other syntax.

Function Arguments ? X

CONCATENATE

Text1	B3	↑	=	"Transaction ID"
Text2	""	↑	=	""
Text3	C3	↑	=	"Customer ID"
Text4	""	↑	=	""
Text5	;	↑	=	

Joins several text strings into one text string.

Text5: text1,text2,... are 1 to 255 text strings to be joined into a single text string and can be text strings, numbers, or single-cell references.

Formula result =

[Help on this function](#) OK Cancel