

Excel VBA Functions: A Complete Handbook for Beginners and Experts

Financial Functions

FV	Calculates the future value of an investment
PV	Calculates the present value of an investment
NPV	Calculates the net present value of an investment
PMT	Calculates the payment for a loan or annuity
RATE	Calculates the interest rate of an investment
IRR	Calculates the internal rate of return of an investment

Date and Time Functions

Date	Returns the current date
Time	Returns the current time
Now	Returns the current date and time
DateAdd	Adds a specified interval to a date
DateDiff	Returns the difference between two dates
DatePart	Returns a specified part of a date
TimeSerial	Returns a time value from specified hour, minute, and second values
Weekday	Returns a number representing the day of the week (e.g. Sunday=1, Monday=2)
Year	Returns the year component of a date
Month	Returns the month component of a date
Day	Returns the day component of a date
Hour	Returns the hour component of a time value
Minute	Returns the minute component of a time value
Second	Returns second component of time value
DateValue	Converts a date string into a date value
TimeValue	Converts a time string into a time value
DateSerial	Returns a date value from specified year, month, and day values
TimeSerial	Returns a time value from specified hour, minute, and second values
Now	Returns the current date and time
TimeSerial	Returns a time value from specified hour, minute, and second values

Math and Numeric Functions

Abs	Returns the absolute value of a number
Sqr	Returns the square root of a number
Exp	Returns the exponential value of a number
Log	Returns the natural logarithm of a number
Round	Rounds a number to a specified number of decimal places
Int	Returns the integer value of a number
Fix	Rounds a number to the nearest integer
Mod	Returns the remainder of a division operation
Power	Returns a number raised to a specified power
Max	Returns the maximum value in a range of cells
Min	Returns the minimum value in a range of cells
Sum	Adds the values in a range of cells
Product	Multiplies the values in a range of cells
Average	Calculates the average value of a range of cells
Count	Counts the number of cells that contain numeric values
CountA	Counts the number of cells that are not empty
CountBlank	Counts the number of blank cells in a range
CountIf	Counts the number of cells in a range that meet a specified condition
CountIfs	Counts the number of cells in a range that meet multiple specified conditions
Rand	Returns a random number between 0 and 1
RandBetween	Returns a random integer between two specified numbers

Logical Functions

If	Checks whether a condition is true or false
IfError	Checks whether a formula returns an error value, and returns a specified value if it does
And	Returns true if all of its arguments are true
Or	Returns true if any of its arguments are true
Not	Returns the opposite of a logical value (i.e. true becomes false, and vice versa)
TRUE	Returns the logical value true
FALSE	Returns the logical value false

Excel VBA Functions: A Complete Handbook for Beginners and Experts

String Functions

Left	Returns a specified number of characters from the beginning of a string
Right	Returns a specified number of characters from the end of a string
Mid	Returns a specified number of characters from a string, starting at a specified position
Len	Returns the length of a string
InStr	Returns the position of a substring within a string
Replace	Replaces one substring with another in a string
Trim	Removes leading and trailing spaces from a string
LCase	Converts a string to lowercase
UCase	Converts a string to uppercase
Str	Converts a numeric value to a string
StrReverse	Reverses the order of characters in a string
Format	Formats a value using a specified format string
Chr	Returns a character from a specified ASCII code
Asc	Returns the ASCII code of a specified character

Miscellaneous Functions

MsgBox	Displays a message box with a specified message and buttons
InputBox	Displays an input box where the user can enter a value
Dir	Returns the first file or directory name that matches a specified pattern
Environ	Returns the value of a specified environment variable
Shell	Executes a command or program and returns a variant

Lookup and Reference Functions

VLookup	Searches for a value in the first column of a table array, and returns a value in the same row from a specified column
HLookup	Searches for a value in the first row of a table array, and returns a value in the same column from a specified row
Index	Returns a value or reference to a cell within a specified range, based on row and column numbers
Match	Searches for a value within a range & returns relative position of the value within the range
Choose	Returns a value from a list of values, based on a specified index number
Offset	Returns a reference to a cell or range of cells that is a specified number of rows and columns from a starting cell or range

Array Functions

Array	Creates an array containing a specified set of values
Split	Splits a string into an array of substrings, based on a specified delimiter
Join	Joins an array of strings into a single string, using a specified delimiter
Filter	Returns an array containing only the elements of a source array that meet a specified condition
Sort	Sorts the elements of an array in ascending or descending order

