|  |
| --- |
| **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 aninvestment |
| ***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 aninvestment |

|  |
| --- |
| **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 ofdecimal 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 numericvalues |
| ***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 aspecified condition |
| ***CountIfs*** | Counts the number of cells in a range that meetmultiple specified conditions |
| ***Rand*** | Returns a random number between 0 and 1 |
| ***RandBetween*** | Returns a random integer between two specifiednumbers |

|  |
| --- |
| **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 theweek (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 |

|  |
| --- |
| **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. truebecomes false, and vice versa) |
| ***TRUE*** | Returns the logical value true |
| ***FALSE*** | Returns the logical value false |

*© 2023 excelgraduate.com | All Rights Reserved.*

|  |
| --- |
| **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 astring |
| ***Replace*** | Replaces one substring with another in a string |
| ***Trim*** | Removes leading and trailing spaces from astring |
| ***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 ASCIIcode |
| ***Asc*** | Returns the ASCII code of a specified character |

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

|  |
| --- |
| **Array Functions** |
| ***Array*** | Creates an array containing a specified set ofvalues |
| ***Split*** | Splits a string into an array of substrings, basedon a specified delimiter |
| ***Join*** | Joins an array of strings into a single string, usinga 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 ordescending order |

|  |
| --- |
| **Miscellaneous Functions** |
| ***MsgBox*** | Displays a message box with a specifiedmessage and buttons |
| ***InputBox*** | Displays an input box where the user can entera value |
| ***Dir*** | Returns the first file or directory name thatmatches a specified pattern |
| ***Environ*** | Returns the value of a specified environmentvariable |
| ***Shell*** | Executes a command or program and returns avariant |

**Excelgraduate**

*© 2023 excelgraduate.com | All Rights Reserved.*