

Delphi Basics : Functions

Function	System	Abs	Gives the absolute value of a number (-ve sign is removed)
Function	System	Addr	Gives the address of a variable, function or procedure
Function	SysUtils	AnsCompareStr	Compare two strings for equality
Function	SysUtils	AnsCompareText	Compare two strings for equality, ignoring case
Function	StrUtils	AnsContainsStr	Returns true if a string contains a substring
Function	StrUtils	AnsEndsStr	Returns true if a string ends with a substring
Function	StrUtils	AnsIndexStr	Compares a string with a list of strings - returns match index
Function	StrUtils	AnsLeftStr	Extracts characters from the left of a string
Function	SysUtils	AnsLowerCase	Change upper case characters in a string to lower case
Function	StrUtils	AnsMatchStr	Returns true if a string exactly matches one of a list of strings
Function	StrUtils	AnsMidStr	Returns a substring from the middle characters of a string
Function	SysUtils	AnsPos	Find the position of one string in another
Function	StrUtils	AnsReplaceStr	Replaces a part of one string with another
Function	StrUtils	AnsReverseString	Reverses the sequence of letters in a string
Function	StrUtils	AnsRightStr	Extracts characters from the right of a string
Function	StrUtils	AnsStartsStr	Returns true if a string starts with a substring
Function	SysUtils	AnsUpperCase	Change lower case characters in a string to upper case
Function	Math	ArcCos	The Arc Cosine of a number, returned in radians
Function	Math	ArcSin	The Arc Sine of a number, returned in radians
Function	System	ArcTan	The Arc Tangent of a number, returned in radians
Function	System	Assigned	Returns true if a reference is not nil
Function	System	BeginThread	Begins a separate thread of code execution
Function	Classes	Bounds	Create a TRect value from top left and size values
Function	StdConvrs	CelsiusToFahrenheit	Convert a celsius temperature into fahrenheit
Function	SysUtils	ChangeFileExt	Change the extension part of a file name
Function	System	Chr	Convert an integer into a character
Function	SysUtils	CompareStr	Compare two strings to see which is greater than the other
Function	SysUtils	CompareText	Compare two strings for equality, ignoring case
Function	Math	CompareValue	Compare numeric values with a tolerance
Function	System	Concat	Concatenates one or more strings into one string
Function	ConvUtils	Convert	Convert one measurement value to another
Function	System	Copy	Create a copy of part of a string or an array
Function	System	Cos	The Cosine of a number
Function	SysUtils	CreateDir	Create a directory
Function	SysUtils	CurrToStr	Convert a currency value to a string
Function	SysUtils	CurrToStrF	Convert a currency value to a string with formatting
Function	SysUtils	Date	Gives the current date
Function	SysUtils	DateTimeToFileDate	Convert a TDateTime value to a File date/time format
Function	SysUtils	DateTimeToStr	Converts TDateTime date and time values to a string
Function	SysUtils	DateToStr	Converts a TDateTime date value to a string
Function	DateUtils	DayOfTheMonth	Gives day of month index for a TDateTime value (ISO 8601)
Function	DateUtils	DayOfTheWeek	Gives day of week index for a TDateTime value (ISO 8601)
Function	DateUtils	DayOfTheYear	Gives the day of the year for a TDateTime value (ISO 8601)
Function	SysUtils	DayOfWeek	Gives day of week index for a TDateTime value
Function	DateUtils	DaysBetween	Gives the whole number of days between 2 dates
Function	DateUtils	DaysInAMonth	Gives the number of days in a month
Function	DateUtils	DaysInAYear	Gives the number of days in a year
Function	DateUtils	DaySpan	Gives the fractional number of days between 2 dates
Function	Math	DegToRad	Convert a degrees value to radians
Function	SysUtils	DeleteFile	Delete a file specified by its file name
Function	SysUtils	DirectoryExists	Returns true if the given directory exists
Function	SysUtils	DiskFree	Gives the number of free bytes on a specified drive
Function	SysUtils	DiskSize	Gives the size in bytes of a specified drive
Function	StrUtils	DupeString	Creates a string containing copies of a substring
Function	SysUtils	EncodeDate	Build a TDateTime value from year, month and day values
Function	DateUtils	EncodeDateTime	Build a TDateTime value from day and time values
Function	SysUtils	EncodeTime	Build a TDateTime value from hour, min, sec and msec values
Function	DateUtils	EndOfADay	Generate a TDateTime value set to the very end of a day
Function	DateUtils	EndOfAMonth	Generate a TDateTime value set to the very end of a month
Function	System	Eof	Returns true if a file opened with Reset is at the end
Function	System	Eoln	Returns true if the current text file is pointing at a line end
Function	System	Exp	Gives the exponent of a number
Function	SysUtils	ExtractFileDir	Extracts the dir part of a full file name
Function	SysUtils	ExtractFileDrive	Extracts the drive part of a full file name
Function	SysUtils	ExtractFileExt	Extracts the extension part of a full file name
Function	SysUtils	ExtractFileName	Extracts the name part of a full file name
Function	SysUtils	ExtractFilePath	Extracts the path part of a full file name
Function	StdConvrs	FahrenheitToCelsius	Convert a fahrenheit temperature into celsius
Function	SysUtils	FileAge	Get the last modified date/time of a file without opening it
Function	SysUtils	FileDateToDateTime	Converts a file date/time format to a TDateTime value
Function	SysUtils	FileExists	Returns true if the given file exists
Function	SysUtils	FileGetAttr	Gets the attributes of a file
Function	System	FilePos	Gives the file position in a binary or text file
Function	SysUtils	FileSearch	Search for a file in one or more directories
Function	SysUtils	FileSetAttr	Sets the attributes of a file
Function	SysUtils	FileSetDate	Set the last modified date and time of a file
Function	System	FileSize	Gives the size in records of an open file
Function	SysUtils	FindClose	Closes a successful FindFirst file search
Function	SysUtils	FindCmdLineSwitch	Determine whether a certain parameter switch was passed
Function	SysUtils	FindFirst	Finds all files matching a file mask and attributes
Function	SysUtils	FindNext	Find the next file after a successful FindFirst
Function	SysUtils	FloatToStr	Convert a floating point value to a string
Function	SysUtils	FloatToStrF	Convert a floating point value to a string with formatting

Function	SysUtils	ForceDirectories	Create a new path of directories
Function	SysUtils	Format	Rich formatting of numbers and text into a string
Function	SysUtils	FormatCurr	Rich formatting of a currency value into a string
Function	SysUtils	FormatDateTime	Rich formatting of a TDateTime variable into a string
Function	SysUtils	FormatFloat	Rich formatting of a floating point number into a string
Function	System	Frac	The fractional part of a floating point number
Function	SysUtils	GetCurrentDir	Get the current directory (drive plus directory)
Function	System	GetLastError	Gives the error code of the last failing Windows API call
Function	System	GetMem	Get a specified number of storage bytes
Function	System	Hi	Returns the hi-order byte of a (2 byte) Integer
Function	System	High	Returns the highest value of a type or variable
Function	DateUtils	IncDay	Increments a TDateTime variable by + or - number of days
Function	DateUtils	IncMillisecond	Increments a TDateTime variable by + or - number of milliseconds
Function	DateUtils	IncMinute	Increments a TDateTime variable by + or - number of minutes
Function	SysUtils	IncMonth	Increments a TDateTime variable by a number of months
Function	DateUtils	IncSecond	Increments a TDateTime variable by + or - number of seconds
Function	DateUtils	IncYear	Increments a TDateTime variable by a number of years
Function	Dialogs	InputDialog	Display a dialog that asks for user text input, with default
Function	Dialogs	InputQuery	Display a dialog that asks for user text input
Function	System	Int	The integer part of a floating point number as a float
Function	SysUtils	IntToHex	Convert an Integer into a hexadecimal string
Function	SysUtils	IntToStr	Convert an integer into a string
Function	System	IOResult	Holds the return code of the last I/O operation
Function	Math	IsInfinite	Checks whether a floating point number is infinite
Function	SysUtils	IsLeapYear	Returns true if a given calendar year is a leap year
Function	System	IsMultiThread	Returns true if the code is running multiple threads
Function	Math	IsNaN	Checks to see if a floating point number holds a real number
Function	SysUtils	LastDelimiter	Find the last position of selected characters in a string
Function	System	Length	Return the number of elements in an array or string
Function	System	Ln	Gives the natural logarithm of a number
Function	System	Lo	Returns the low-order byte of a (2 byte) Integer
Function	Math	Log10	Gives the log to base 10 of a number
Function	System	Low	Returns the lowest value of a type or variable
Function	SysUtils	LowerCase	Change upper case characters in a string to lower case
Function	Math	Max	Gives the maximum of two integer values
Function	Math	Mean	Gives the average for a set of numbers
Function	Dialogs	MessageDlg	Displays a message, symbol, and selectable buttons
Function	Dialogs	MessageDlgPos	Displays a message plus buttons at a given screen position
Function	Math	Min	Gives the minimum of two integer values
Function	DateUtils	MonthOfTheYear	Gives the month of the year for a TDateTime value
Function	SysUtils	Now	Gives the current date and time
Function	System	Odd	Tests whether an integer has an odd value
Function	System	Ord	Provides the Ordinal value of an integer, character or enum
Function	System	ParamCount	Gives the number of parameters passed to the current program
Function	System	ParamStr	Returns one of the parameters used to run the current program
Function	System	Pi	The mathematical constant
Function	Classes	Point	Generates a TPoint value from X and Y values
Function	Classes	PointsEqual	Compares two TPoint values for equality
Function	System	Pos	Find the position of one string in another
Function	System	Pred	Decrement an ordinal variable
Function	Printers	Printer	Returns a reference to the global Printer object
Function	Dialogs	PromptForFileName	Shows a dialog allowing the user to select a file
Function	Types	PtInRect	Tests to see if a point lies within a rectangle
Function	Math	RadToDeg	Converts a radian value to degrees
Function	System	Random	Generate a random floating point or integer number
Function	Math	RandomRange	Generate a random integer number within a supplied range
Function	DateUtils	RecodeDate	Change only the date part of a TDateTime variable
Function	DateUtils	RecodeTime	Change only the time part of a TDateTime variable
Function	Classes	Rect	Create a TRect value from 2 points or 4 coordinates
Function	SysUtils	RemoveDir	Remove a directory
Function	SysUtils	RenameFile	Rename a file or directory
Function	System	Round	Rounds a floating point number to an integer
Function	System	SeekEof	Skip to the end of the current line or file
Function	System	SeekEoln	Skip to the end of the current line or file
Function	FileCtrl	SelectDirectory	Display a dialog to allow user selection of a directory
Function	SysUtils	SetCurrentDir	Change the current directory
Function	System	Sin	The Sine of a number
Function	System	SizeOf	Gives the storage byte size of a type or variable
Function	System	Slice	Creates a slice of an array as an Open Array parameter
Function	System	Sqr	Gives the square of a number
Function	System	Sqrt	Gives the square root of a number
Function	System	StringOfChar	Creates a string with one character repeated many times
Function	SysUtils	StringReplace	Replace one or more substrings found within a string
Function	System	StringToWideChar	Converts a normal string into a WideChar 0 terminated buffer
Function	SysUtils	StrScan	Searches for a specific character in a constant string
Function	SysUtils	StrToCurr	Convert a number string into a currency value
Function	SysUtils	StrToDate	Converts a date string into a TDateTime value
Function	SysUtils	StrToDateTime	Converts a date+time string into a TDateTime value
Function	SysUtils	StrToFloat	Convert a number string into a floating point value
Function	SysUtils	StrToInt	Convert an integer string into an Integer value
Function	SysUtils	StrToInt64	Convert an integer string into an Int64 value
Function	SysUtils	StrToInt64Def	Convert a string into an Int64 value with default
Function	SysUtils	StrToIntDef	Convert a string into an Integer value with default
Function	SysUtils	StrToTime	Converts a time string into a TDateTime value
Function	StrUtils	StuffString	Replaces a part of one string with another

Function	System	Succ	Increment an ordinal variable
Function	Math	Sum	Return the sum of an array of floating point values
Function	Math	Tan	The Tangent of a number
Function	SysUtils	Time	Gives the current time
Function	SysUtils	TimeToStr	Converts a TDateTime time value to a string
Function	DateUtils	Tomorrow	Gives the date tomorrow
Function	SysUtils	Trim	Removes leading and trailing blanks from a string
Function	SysUtils	TrimLeft	Removes leading blanks from a string
Function	SysUtils	TrimRight	Removes trailing blanks from a string
Function	System	Trunc	The integer part of a floating point number
Function	System	UpCase	Convert a Char value to upper case
Function	SysUtils	UpperCase	Change lower case characters in a string to upper case
Function	Variants	VarType	Gives the current type of a Variant variable
Function	System	WideCharToString	Copies a null terminated WideChar string to a normal string
Function	SysUtils	WrapText	Add line feeds into a string to simulate word wrap
Function	DateUtils	Yesterday	Gives the date yesterday