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# MS Access Functions

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MS Access has many built-in functions.

This reference contains the string, numeric, and date functions in MS Access.

## MS Access String Functions

Function	Description
<a href="#"><u>Asc</u></a>	Returns the ASCII value for the specific character
<a href="#"><u>Chr</u></a>	Returns the character for the specified ASCII number code
<a href="#"><u>Concat with &amp;</u></a>	Adds two or more strings together
<a href="#"><u>CurDir</u></a>	Returns the full path for a specified drive
<a href="#"><u>Format</u></a>	Formats a value with the specified format
<a href="#"><u>InStr</u></a>	Gets the position of the first occurrence of a string in another
<a href="#"><u>InstrRev</u></a>	Gets the position of the first occurrence of a string in another, from the end of string
<a href="#"><u>LCase</u></a>	Converts a string to lower-case

<u>Left</u>	Extracts a number of characters from a string (starting from left)
<u>Len</u>	Returns the length of a string
<u>LTrim</u>	Removes leading spaces from a string
<u>Mid</u>	Extracts some characters from a string (starting at any position)
<u>Replace</u>	Replaces a substring within a string, with another substring, a specified number of times
<u>Right</u>	Extracts a number of characters from a string (starting from right)
<u>RTrim</u>	Removes trailing spaces from a string
<u>Space</u>	Returns a string of the specified number of space characters
<u>Split</u>	Splits a string into an array of substrings
<u>Str</u>	Returns a number as string
<u>StrComp</u>	Compares two strings
<u>StrConv</u>	Returns a converted string
<u>StrReverse</u>	Reverses a string and returns the result
<u>Trim</u>	Removes both leading and trailing spaces from a string
<u>UCase</u>	Converts a string to upper-case



## MS Access Numeric Functions

Function	Description
<u>Abs</u>	Returns the absolute value of a number
<u>Atn</u>	Returns the arc tangent of a number

<u>Avg</u>	Returns the average value of an expression
<u>Cos</u>	Returns the cosine of an angle
<u>Count</u>	Returns the number of records returned by a select query
<u>Exp</u>	Returns e raised to the power of a specified number
<u>Fix</u>	Returns the integer part of a number
<u>Format</u>	Formats a numeric value with the specified format
<u>Int</u>	Returns the integer part of a number
<u>Max</u>	Returns the maximum value in a set of values
<u>Min</u>	Returns the minimum value in a set of values
<u>Randomize</u>	Initializes the random number generator (used by Rnd()) with a seed
<u>Rnd</u>	Returns a random number
<u>Round</u>	Rounds a number to a specified number of decimal places
<u>Sgn</u>	Returns the sign of a number
<u>Sqr</u>	Returns the square root of a number
<u>Sum</u>	Calculates the sum of a set of values
<u>Val</u>	Reads a string and returns the numbers found in the string

## MS Access Date Functions

<b>Function</b>	<b>Description</b>
<u>Date</u>	Returns the current system date
<u>DateAdd</u>	Adds a time/date interval to a date and then returns the date
<u>DateDiff</u>	Returns the difference between two dates
<u>DatePart</u>	Returns a specified part of a date (as an integer)
<u>DateSerial</u>	Returns a date from the specified parts (year, month, and day)

	values)
<u>DateValue</u>	Returns a date based on a string
<u>Day</u>	Returns the day of the month for a given date
<u>Format</u>	Formats a date value with the specified format
<u>Hour</u>	Returns the hour part of a time/datetime
<u>Minute</u>	Returns the minute part of a time/datetime
<u>Month</u>	Returns the month part of a given date
<u>MonthName</u>	Returns the name of the month based on a number
<u>Now</u>	Returns the current date and time based on the computer's system date and time
<u>Second</u>	Returns the seconds part of a time/datetime
<u>Time</u>	Returns the current system time
<u>TimeSerial</u>	Returns a time from the specified parts (hour, minute, and second value)
<u>TimeValue</u>	Returns a time based on a string
<u>Weekday</u>	Returns the weekday number for a given date
<u>WeekdayName</u>	Returns the weekday name based on a number
<u>Year</u>	Returns the year part of a given date

## MS Access Some Other Functions

Function	Description
<u>CurrentUser</u>	Returns the name of the current database user
<u>Environ</u>	Returns a string that contains the value of an operating system environment variable
<u>IsDate</u>	Checks whether an expression can be converted to a date
<u>IsNull</u>	Checks whether an expression contains Null (no data)

IsNumeric

Checks whether an expression is a valid number

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