MySQL String Functions

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| **Function** | **Description** |
| [ASCII](https://www.w3schools.com/sql/func_mysql_ascii.asp) | Returns the number code that represents the specific character |
| [CHAR\_LENGTH](https://www.w3schools.com/sql/func_mysql_char_length.asp) | Returns the length of the specified string (in characters) |
| [CHARACTER\_LENGTH](https://www.w3schools.com/sql/func_mysql_character_length.asp) | Returns the length of the specified string (in characters) |
| [CONCAT](https://www.w3schools.com/sql/func_mysql_concat.asp) | Concatenates two or more expressions together |
| [CONCAT\_WS](https://www.w3schools.com/sql/func_mysql_concat_ws.asp) | Concatenates two or more expressions together and adds a separator between them |
| [FIELD](https://www.w3schools.com/sql/func_mysql_field.asp) | Returns the position of a value in a list of values |
| [FIND\_IN\_SET](https://www.w3schools.com/sql/func_mysql_find_in_set.asp) | Returns the position of a string in a string list |
| [FORMAT](https://www.w3schools.com/sql/func_mysql_format.asp) | Formats a number as a format of "#,###.##", rounding it to a certain number of decimal places |
| [INSERT](https://www.w3schools.com/sql/func_mysql_insert.asp) | Inserts a substring into a string at a specified position for a certain number of characters |
| [INSTR](https://www.w3schools.com/sql/func_mysql_instr.asp) | Returns the position of the first occurrence of a string in another string |
| [LCASE](https://www.w3schools.com/sql/func_mysql_lcase.asp) | Converts a string to lower-case |
| [LEFT](https://www.w3schools.com/sql/func_mysql_left.asp) | Extracts a substring from a string (starting from left) |
| [LENGTH](https://www.w3schools.com/sql/func_mysql_length.asp) | Returns the length of the specified string (in bytes) |
| [LOCATE](https://www.w3schools.com/sql/func_mysql_locate.asp) | Returns the position of the first occurrence of a substring in a string |
| [LOWER](https://www.w3schools.com/sql/func_mysql_lower.asp) | Converts a string to lower-case |
| [LPAD](https://www.w3schools.com/sql/func_mysql_lpad.asp) | Returns a string that is left-padded with a specified string to a certain length |
| [LTRIM](https://www.w3schools.com/sql/func_mysql_ltrim.asp) | Removes leading spaces from a string |
| [MID](https://www.w3schools.com/sql/func_mysql_mid.asp) | Extracts a substring from a string (starting at any position) |
| [POSITION](https://www.w3schools.com/sql/func_mysql_position.asp) | Returns the position of the first occurrence of a substring in a string |
| [REPEAT](https://www.w3schools.com/sql/func_mysql_repeat.asp) | Repeats a string a specified number of times |
| [REPLACE](https://www.w3schools.com/sql/func_mysql_replace.asp) | Replaces all occurrences of a specified string |
| [REVERSE](https://www.w3schools.com/sql/func_mysql_reverse.asp) | Reverses a string and returns the result |
| [RIGHT](https://www.w3schools.com/sql/func_mysql_right.asp) | Extracts a substring from a string (starting from right) |
| [RPAD](https://www.w3schools.com/sql/func_mysql_rpad.asp) | Returns a string that is right-padded with a specified string to a certain length |
| [RTRIM](https://www.w3schools.com/sql/func_mysql_rtrim.asp) | Removes trailing spaces from a string |
| [SPACE](https://www.w3schools.com/sql/func_mysql_space.asp) | Returns a string with a specified number of spaces |
| [STRCMP](https://www.w3schools.com/sql/func_mysql_strcmp.asp) | Tests whether two strings are the same |
| [SUBSTR](https://www.w3schools.com/sql/func_mysql_substr.asp) | Extracts a substring from a string (starting at any position) |
| [SUBSTRING](https://www.w3schools.com/sql/func_mysql_substring.asp) | Extracts a substring from a string (starting at any position) |
| [SUBSTRING\_INDEX](https://www.w3schools.com/sql/func_mysql_substring_index.asp) | Returns the substring of *string* before *number* of occurrences of *delimiter* |
| [TRIM](https://www.w3schools.com/sql/func_mysql_trim.asp) | Removes leading and trailing spaces from a string |
| [UCASE](https://www.w3schools.com/sql/func_mysql_ucase.asp) | Converts a string to upper-case |
| [UPPER](https://www.w3schools.com/sql/func_mysql_upper.asp) | Converts a string to upper-case |

MySQL Numeric Functions

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| **Function** | **Description** |
| [ABS](https://www.w3schools.com/sql/func_mysql_abs.asp) | Returns the absolute value of a number |
| [ACOS](https://www.w3schools.com/sql/func_mysql_acos.asp) | Returns the arc cosine of a number |
| [ASIN](https://www.w3schools.com/sql/func_mysql_asin.asp) | Returns the arc sine of a number |
| [ATAN](https://www.w3schools.com/sql/func_mysql_atan.asp) | Returns the arc tangent of a number or the arc tangent of n and m |
| [ATAN2](https://www.w3schools.com/sql/func_mysql_atan2.asp) | Returns the arc tangent of n and m |
| [AVG](https://www.w3schools.com/sql/func_mysql_avg.asp) | Returns the average value of an expression |
| [CEIL](https://www.w3schools.com/sql/func_mysql_ceil.asp) | Returns the smallest integer value that is greater than or equal to a number |
| [CEILING](https://www.w3schools.com/sql/func_mysql_ceiling.asp) | Returns the smallest integer value that is greater than or equal to a number |
| [COS](https://www.w3schools.com/sql/func_mysql_cos.asp) | Returns the cosine of a number |
| [COT](https://www.w3schools.com/sql/func_mysql_cot.asp) | Returns the cotangent of a number |
| [COUNT](https://www.w3schools.com/sql/func_mysql_count.asp) | Returns the number of records in a select query |
| [DEGREES](https://www.w3schools.com/sql/func_mysql_degrees.asp) | Converts a radian value into degrees |
| [DIV](https://www.w3schools.com/sql/func_mysql_div.asp) | Used for integer division |
| [EXP](https://www.w3schools.com/sql/func_mysql_exp.asp) | Returns e raised to the power of number |
| [FLOOR](https://www.w3schools.com/sql/func_mysql_floor.asp) | Returns the largest integer value that is less than or equal to a number |
| [GREATEST](https://www.w3schools.com/sql/func_mysql_greatest.asp) | Returns the greatest value in a list of expressions |
| [LEAST](https://www.w3schools.com/sql/func_mysql_least.asp) | Returns the smallest value in a list of expressions |
| [LN](https://www.w3schools.com/sql/func_mysql_ln.asp) | Returns the natural logarithm of a number |
| [LOG](https://www.w3schools.com/sql/func_mysql_log.asp) | Returns the natural logarithm of a number or the logarithm of a number to a specified base |
| [LOG10](https://www.w3schools.com/sql/func_mysql_log10.asp) | Returns the base-10 logarithm of a number |
| [LOG2](https://www.w3schools.com/sql/func_mysql_log2.asp) | Returns the base-2 logarithm of a number |
| [MAX](https://www.w3schools.com/sql/func_mysql_max.asp) | Returns the maximum value of an expression |
| [MIN](https://www.w3schools.com/sql/func_mysql_min.asp) | Returns the minimum value of an expression |
| [MOD](https://www.w3schools.com/sql/func_mysql_mod.asp) | Returns the remainder of n divided by m |
| [PI](https://www.w3schools.com/sql/func_mysql_pi.asp) | Returns the value of PI displayed with 6 decimal places |
| [POW](https://www.w3schools.com/sql/func_mysql_pow.asp) | Returns m raised to the nth power |
| [POWER](https://www.w3schools.com/sql/func_mysql_power.asp) | Returns m raised to the nth power |
| [RADIANS](https://www.w3schools.com/sql/func_mysql_radians.asp) | Converts a value in degrees to radians |
| [RAND](https://www.w3schools.com/sql/func_mysql_rand.asp) | Returns a random number or a random number within a range |
| [ROUND](https://www.w3schools.com/sql/func_mysql_round.asp) | Returns a number rounded to a certain number of decimal places |
| [SIGN](https://www.w3schools.com/sql/func_mysql_sign.asp) | Returns a value indicating the sign of a number |
| [SIN](https://www.w3schools.com/sql/func_mysql_sin.asp) | Returns the sine of a number |
| [SQRT](https://www.w3schools.com/sql/func_mysql_sqrt.asp) | Returns the square root of a number |
| [SUM](https://www.w3schools.com/sql/func_mysql_sum.asp) | Returns the summed value of an expression |
| [TAN](https://www.w3schools.com/sql/func_mysql_tan.asp) | Returns the tangent of a number |
| [TRUNCATE](https://www.w3schools.com/sql/func_mysql_truncate.asp) | Returns a number truncated to a certain number of decimal places |

MySQL Date Functions

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| **Function** | **Description** |
| [ADDDATE](https://www.w3schools.com/sql/func_mysql_adddate.asp) | Returns a date after a certain time/date interval has been added |
| [ADDTIME](https://www.w3schools.com/sql/func_mysql_addtime.asp) | Returns a time/datetime after a certain time interval has been added |
| [CURDATE](https://www.w3schools.com/sql/func_mysql_curdate.asp) | Returns the current date |
| [CURRENT\_DATE](https://www.w3schools.com/sql/func_mysql_current_date.asp) | Returns the current date |
| [CURRENT\_TIME](https://www.w3schools.com/sql/func_mysql_current_time.asp) | Returns the current time |
| [CURRENT\_TIMESTAMP](https://www.w3schools.com/sql/func_mysql_current_timestamp.asp) | Returns the current date and time |
| [CURTIME](https://www.w3schools.com/sql/func_mysql_curtime.asp) | Returns the current time |
| [DATE](https://www.w3schools.com/sql/func_mysql_date.asp) | Extracts the date value from a date or datetime expression |
| [DATEDIFF](https://www.w3schools.com/sql/func_mysql_datediff.asp) | Returns the difference in days between two date values |
| [DATE\_ADD](https://www.w3schools.com/sql/func_mysql_date_add.asp) | Returns a date after a certain time/date interval has been added |
| [DATE\_FORMAT](https://www.w3schools.com/sql/func_mysql_date_format.asp) | Formats a date as specified by a format mask |
| [DATE\_SUB](https://www.w3schools.com/sql/func_mysql_date_sub.asp) | Returns a date after a certain time/date interval has been subtracted |
| [DAY](https://www.w3schools.com/sql/func_mysql_day.asp) | Returns the day portion of a date value |
| [DAYNAME](https://www.w3schools.com/sql/func_mysql_dayname.asp) | Returns the weekday name for a date |
| [DAYOFMONTH](https://www.w3schools.com/sql/func_mysql_dayofmonth.asp) | Returns the day portion of a date value |
| [DAYOFWEEK](https://www.w3schools.com/sql/func_mysql_dayofweek.asp) | Returns the weekday index for a date value |
| [DAYOFYEAR](https://www.w3schools.com/sql/func_mysql_dayofyear.asp) | Returns the day of the year for a date value |
| [EXTRACT](https://www.w3schools.com/sql/func_mysql_extract.asp) | Extracts parts from a date |
| [FROM\_DAYS](https://www.w3schools.com/sql/func_mysql_from_days.asp) | Returns a date value from a numeric representation of the day |
| [HOUR](https://www.w3schools.com/sql/func_mysql_hour.asp) | Returns the hour portion of a date value |
| [LAST\_DAY](https://www.w3schools.com/sql/func_mysql_last_day.asp) | Returns the last day of the month for a given date |
| [LOCALTIME](https://www.w3schools.com/sql/func_mysql_localtime.asp) | Returns the current date and time |
| [LOCALTIMESTAMP](https://www.w3schools.com/sql/func_mysql_localtimestamp.asp) | Returns the current date and time |
| [MAKEDATE](https://www.w3schools.com/sql/func_mysql_makedate.asp) | Returns the date for a certain year and day-of-year value |
| [MAKETIME](https://www.w3schools.com/sql/func_mysql_maketime.asp) | Returns the time for a certain hour, minute, second combination |
| [MICROSECOND](https://www.w3schools.com/sql/func_mysql_microsecond.asp) | Returns the microsecond portion of a date value |
| [MINUTE](https://www.w3schools.com/sql/func_mysql_minute.asp) | Returns the minute portion of a date value |
| [MONTH](https://www.w3schools.com/sql/func_mysql_month.asp) | Returns the month portion of a date value |
| [MONTHNAME](https://www.w3schools.com/sql/func_mysql_monthname.asp) | Returns the full month name for a date |
| [NOW](https://www.w3schools.com/sql/func_mysql_now.asp) | Returns the current date and time |
| [PERIOD\_ADD](https://www.w3schools.com/sql/func_mysql_period_add.asp) | Takes a period and adds a specified number of months to it |
| [PERIOD\_DIFF](https://www.w3schools.com/sql/func_mysql_period_diff.asp) | Returns the difference in months between two periods |
| [QUARTER](https://www.w3schools.com/sql/func_mysql_quarter.asp) | Returns the quarter portion of a date value |
| [SECOND](https://www.w3schools.com/sql/func_mysql_second.asp) | Returns the second portion of a date value |
| [SEC\_TO\_TIME](https://www.w3schools.com/sql/func_mysql_sec_to_time.asp) | Converts numeric seconds into a time value |
| [STR\_TO\_DATE](https://www.w3schools.com/sql/func_mysql_str_to_date.asp) | Takes a string and returns a date specified by a format mask |
| [SUBDATE](https://www.w3schools.com/sql/func_mysql_subdate.asp) | Returns a date after which a certain time/date interval has been subtracted |
| [SUBTIME](https://www.w3schools.com/sql/func_mysql_subtime.asp) | Returns a time/datetime value after a certain time interval has been subtracted |
| [SYSDATE](https://www.w3schools.com/sql/func_mysql_sysdate.asp) | Returns the current date and time |
| [TIME](https://www.w3schools.com/sql/func_mysql_time.asp) | Extracts the time value from a time/datetime expression |
| [TIME\_FORMAT](https://www.w3schools.com/sql/func_mysql_time_format.asp) | Formats a time as specified by a format mask |
| [TIME\_TO\_SEC](https://www.w3schools.com/sql/func_mysql_time_to_sec.asp) | Converts a time value into numeric seconds |
| [TIMEDIFF](https://www.w3schools.com/sql/func_mysql_timediff.asp) | Returns the difference between two time/datetime values |
| [TIMESTAMP](https://www.w3schools.com/sql/func_mysql_timestamp.asp) | Converts an expression to a datetime value and if specified adds an optional time interval to the value |
| [TO\_DAYS](https://www.w3schools.com/sql/func_mysql_to_days.asp) | Converts a date into numeric days |
| [WEEK](https://www.w3schools.com/sql/func_mysql_week.asp) | Returns the week portion of a date value |
| [WEEKDAY](https://www.w3schools.com/sql/func_mysql_weekday.asp) | Returns the weekday index for a date value |
| [WEEKOFYEAR](https://www.w3schools.com/sql/func_mysql_weekofyear.asp) | Returns the week of the year for a date value |
| [YEAR](https://www.w3schools.com/sql/func_mysql_year.asp) | Returns the year portion of a date value |
| [YEARWEEK](https://www.w3schools.com/sql/func_mysql_yearweek.asp) | Returns the year and week for a date value |

MySQL Advanced Functions

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| **Function** | **Description** |
| [BIN](https://www.w3schools.com/sql/func_mysql_bin.asp) | Converts a decimal number to a binary number |
| [BINARY](https://www.w3schools.com/sql/func_mysql_binary.asp) | Converts a value to a binary string |
| [CASE](https://www.w3schools.com/sql/func_mysql_case.asp) | Lets you evaluate conditions and return a value when the first condition is met |
| [CAST](https://www.w3schools.com/sql/func_mysql_cast.asp) | Converts a value from one datatype to another datatype |
| [COALESCE](https://www.w3schools.com/sql/func_mysql_coalesce.asp) | Returns the first non-null expression in a list |
| [CONNECTION\_ID](https://www.w3schools.com/sql/func_mysql_connection_id.asp) | Returns the unique connection ID for the current connection |
| [CONV](https://www.w3schools.com/sql/func_mysql_conv.asp) | Converts a number from one number base to another |
| [CONVERT](https://www.w3schools.com/sql/func_mysql_convert.asp) | Converts a value from one datatype to another, or one character set to another |
| [CURRENT\_USER](https://www.w3schools.com/sql/func_mysql_current_user.asp) | Returns the user name and host name for the MySQL account used by the server to authenticate the current client |
| [DATABASE](https://www.w3schools.com/sql/func_mysql_database.asp) | Returns the name of the default database |
| [IF](https://www.w3schools.com/sql/func_mysql_if.asp) | Returns one value if a condition is TRUE, or another value if a condition is FALSE |
| [IFNULL](https://www.w3schools.com/sql/func_mysql_ifnull.asp) | Lets you to return an alternate value if an expression is NULL |
| [ISNULL](https://www.w3schools.com/sql/func_mysql_isnull.asp) | Tests whether an expression is NULL |
| [LAST\_INSERT\_ID](https://www.w3schools.com/sql/func_mysql_last_insert_id.asp) | Returns the first AUTO\_INCREMENT value that was set by the most recent INSERT or UPDATE statement |
| [NULLIF](https://www.w3schools.com/sql/func_mysql_nullif.asp) | Compares two expressions |
| [SESSION\_USER](https://www.w3schools.com/sql/func_mysql_session_user.asp) | Returns the user name and host name for the current MySQL user |
| [SYSTEM\_USER](https://www.w3schools.com/sql/func_mysql_system_user.asp) | Returns the user name and host name for the current MySQL user |
| [USER](https://www.w3schools.com/sql/func_mysql_user.asp) | Returns the user name and host name for the current MySQL user |
| [VERSION](https://www.w3schools.com/sql/func_mysql_version.asp) | Returns the version of the MySQL database |