

MySQL String Functions

<i>Function</i>	<i>Description</i>
<i>ASCII</i>	Returns the ASCII value for the specific character
<i>CHAR_LENGTH</i>	Returns the length of a string (in characters)
<i>CHARACTER_LENGTH</i>	Returns the length of a string (in characters)
<i>CONCAT</i>	Adds two or more expressions together
<i>CONCAT_WS</i>	Adds two or more expressions together with a separator
<i>FIELD</i>	Returns the index position of a value in a list of values
<i>FIND_IN_SET</i>	Returns the position of a string within a list of strings
<i>FORMAT</i>	Formats a number to a format like "#,###,###.##", rounded to a specified number of decimal places
<i>INSERT</i>	Inserts a string within a string at the specified position and for a certain number of characters
<i>INSTR</i>	Returns the position of the first occurrence of a string in another string
<i>LCASE</i>	Converts a string to lower-case
<i>LEFT</i>	Extracts a number of characters from a string (starting from left)
<i>LENGTH</i>	Returns the length of a string (in bytes)
<i>LOCATE</i>	Returns the position of the first occurrence of a substring in a string
<i>LOWER</i>	Converts a string to lower-case
<i>LPAD</i>	Left-pads a string with another string, to a certain length
<i>LTRIM</i>	Removes leading spaces from a string
<i>MID</i>	Extracts a substring from a string (starting at any position)
<i>POSITION</i>	Returns the position of the first occurrence of a substring in a string
<i>REPEAT</i>	Repeats a string as many times as specified
<i>REPLACE</i>	Replaces all occurrences of a substring within a string, with a new substring
<i>REVERSE</i>	Reverses a string and returns the result
<i>RIGHT</i>	Extracts a number of characters from a string (starting from right)
<i>RPAD</i>	Right-pads a string with another string, to a certain length
<i>RTRIM</i>	Removes trailing spaces from a string
<i>SPACE</i>	Returns a string of the specified number of space characters
<i>STRCMP</i>	Compares two strings
<i>SUBSTR</i>	Extracts a substring from a string (starting at any position)
<i>SUBSTRING</i>	Extracts a substring from a string (starting at any position)
<i>SUBSTRING_INDEX</i>	Returns a substring of a string before a specified number of delimiter occurs
<i>TRIM</i>	Removes leading and trailing spaces from a string
<i>UCASE</i>	Converts a string to upper-case
<i>UPPER</i>	Converts a string to upper-case

MySQL Numeric Functions

<i>Function</i>	<i>Description</i>
<i>ABS</i>	Returns the absolute value of a number
<i>ACOS</i>	Returns the arc cosine of a number
<i>ASIN</i>	Returns the arc sine of a number
<i>ATAN</i>	Returns the arc tangent of one or two numbers
<i>ATAN2</i>	Returns the arc tangent of two numbers
<i>AVG</i>	Returns the average value of an expression
<i>CEIL</i>	Returns the smallest integer value that is \geq to a number
<i>CEILING</i>	Returns the smallest integer value that is \geq to a number
<i>COS</i>	Returns the cosine of a number
<i>COT</i>	Returns the cotangent of a number
<i>COUNT</i>	Returns the number of records returned by a select query
<i>DEGREES</i>	Converts a value in radians to degrees
<i>DIV</i>	Used for integer division
<i>EXP</i>	Returns e raised to the power of a specified number
<i>FLOOR</i>	Returns the largest integer value that is \leq to a number
<i>GREATEST</i>	Returns the greatest value of the list of arguments
<i>LEAST</i>	Returns the smallest value of the list of arguments
<i>LN</i>	Returns the natural logarithm of a number
<i>LOG</i>	Returns the natural logarithm of a number, or the logarithm of a number to a specified base
<i>LOG10</i>	Returns the natural logarithm of a number to base 10
<i>LOG2</i>	Returns the natural logarithm of a number to base 2
<i>MAX</i>	Returns the maximum value in a set of values
<i>MIN</i>	Returns the minimum value in a set of values
<i>MOD</i>	Returns the remainder of a number divided by another number
<i>PI</i>	Returns the value of PI
<i>POW</i>	Returns the value of a number raised to the power of another number
<i>POWER</i>	Returns the value of a number raised to the power of another number
<i>RADIANS</i>	Converts a degree value into radians
<i>RAND</i>	Returns a random number
<i>ROUND</i>	Rounds a number to a specified number of decimal places
<i>SIGN</i>	Returns the sign of a number
<i>SIN</i>	Returns the sine of a number
<i>SQRT</i>	Returns the square root of a number
<i>SUM</i>	Calculates the sum of a set of values
<i>TAN</i>	Returns the tangent of a number
<i>TRUNCATE</i>	Truncates a number to the specified number of decimal places

MySQL Date Functions

<i>Function</i>	<i>Description</i>
<i>ADDDATE</i>	Adds a time/date interval to a date and then returns the date
<i>ADDTIME</i>	Adds a time interval to a time/datetime and then returns the time/datetime
<i>CURDATE</i>	Returns the current date
<i>CURRENT_DATE</i>	Returns the current date
<i>CURRENT_TIME</i>	Returns the current time
<i>CURRENT_TIMESTAMP</i>	Returns the current date and time
<i>CURTIME</i>	Returns the current time
<i>DATE</i>	Extracts the date part from a datetime expression
<i>DATEDIFF</i>	Returns the number of days between two date values
<i>DATE_ADD</i>	Adds a time/date interval to a date and then returns the date
<i>DATE_FORMAT</i>	Formats a date
<i>DATE_SUB</i>	Subtracts a time/date interval from a date and then returns the date
<i>DAY</i>	Returns the day of the month for a given date
<i>DAYNAME</i>	Returns the weekday name for a given date
<i>DAYOFMONTH</i>	Returns the day of the month for a given date
<i>DAYOFWEEK</i>	Returns the weekday index for a given date
<i>DAYOFYEAR</i>	Returns the day of the year for a given date
<i>EXTRACT</i>	Extracts a part from a given date
<i>FROM_DAYS</i>	Returns a date from a numeric datevalue
<i>HOUR</i>	Returns the hour part for a given date
<i>LAST_DAY</i>	Extracts the last day of the month for a given date
<i>LOCALTIME</i>	Returns the current date and time
<i>LOCALTIMESTAMP</i>	Returns the current date and time
<i>MAKEDATE</i>	Creates and returns a date based on a year and a number of days value
<i>MAKETIME</i>	Creates and returns a time based on an hour, minute, and second value
<i>MICROSECOND</i>	Returns the microsecond part of a time/datetime
<i>MINUTE</i>	Returns the minute part of a time/datetime
<i>MONTH</i>	Returns the month part for a given date
<i>MONTHNAME</i>	Returns the name of the month for a given date
<i>NOW</i>	Returns the current date and time
<i>PERIOD_ADD</i>	Adds a specified number of months to a period
<i>PERIOD_DIFF</i>	Returns the difference between two periods
<i>QUARTER</i>	Returns the quarter of the year for a given date value
<i>SECOND</i>	Returns the seconds part of a time/datetime
<i>SEC_TO_TIME</i>	Returns a time value based on the specified seconds
<i>STR_TO_DATE</i>	Returns a date based on a string and a format
<i>SUBDATE</i>	Subtracts a time/date interval from a date and then returns the date

<i>SUBTIME</i>	Subtracts a time interval from a datetime and then returns the time/datetime
<i>SYSDATE</i>	Returns the current date and time
<i>TIME</i>	Extracts the time part from a given time/datetime
<i>TIME_FORMAT</i>	Formats a time by a specified format
<i>TIME_TO_SEC</i>	Converts a time value into seconds
<i>TIMEDIFF</i>	Returns the difference between two time/datetime expressions
<i>TIMESTAMP</i>	Returns a datetime value based on a date or datetime value
<i>TO_DAYS</i>	Returns the number of days between a date and date "0000-00-00"
<i>WEEK</i>	Returns the week number for a given date
<i>WEEKDAY</i>	Returns the weekday number for a given date
<i>WEEKOFYEAR</i>	Returns the week number for a given date
<i>YEAR</i>	Returns the year part for a given date
<i>YEARWEEK</i>	Returns the year and week number for a given date

MySQL Advanced Functions

<i>Function</i>	<i>Description</i>
<i>BIN</i>	Returns a binary representation of a number
<i>BINARY</i>	Converts a value to a binary string
<i>CASE</i>	Goes through conditions and return a value when the first condition is met
<i>CAST</i>	Converts a value (of any type) into a specified datatype
<i>COALESCE</i>	Returns the first non-null value in a list
<i>CONV</i>	Converts a number from one numeric base system to another
<i>CONVERT</i>	Converts a value into the specified datatype or character set
<i>CURRENT_USER</i>	Returns the user name and host name for the MySQL account that the server used to authenticate the current client
<i>DATABASE</i>	Returns the name of the current database
<i>IF</i>	Returns a value if a condition is TRUE, or another value if a condition is FALSE
<i>IFNULL</i>	Return a specified value if the expression is NULL, otherwise return the expression
<i>ISNULL</i>	Returns 1 or 0 depending on whether an expression is NULL
<i>LAST_INSERT_ID</i>	Returns the AUTO_INCREMENT id of the last row that has been inserted or updated in a table
<i>NULLIF</i>	Compares two expressions and returns NULL if they are equal. Otherwise, the first expression is returned
<i>SESSION_USER</i>	Returns the current MySQL user name and host name
<i>SYSTEM_USER</i>	Returns the current MySQL user name and host name
<i>USER</i>	Returns the current MySQL user name and host name
<i>VERSION</i>	Returns the current version of the MySQL database