

MEASUREMENT

Return a string containing binary representation of a number
<code>BIN (12) = '1100'</code>
Return length of argument in bits
<code>BIT_LENGTH ('MySql') = 40</code>
Return number of characters in argument
<code>CHAR_LENGTH ('MySql') = 5</code> <code>CHARACTER_LENGTH ('MySql') = 5</code>
Return the length of a string in bytes
<code>LENGTH ('ö') = 2</code> <code>LENGTH ('A') = 1</code> <code>OCTET_LENGTH ('ö') = 2</code> <code>OCTET_LENGTH ('X') = 1</code>
Return a soundex string
<code>SOUNDEX ('MySql') = 'M240'</code> <code>SOUNDEX ('MySqlDatabase') = 'M24312'</code>
Compare two strings
<code>STRCMP ('A', 'A') = 0</code> <code>STRCMP ('A', 'B') = -1</code> <code>STRCMP ('B', 'A') = 1</code>

SEARCH

Return the index of the first occurrence of substring
<code>INSTR ('MySql', 'Sql') = 3</code> <code>INSTR ('Sql', 'MySql') = 0</code>
Return the position of the first occurrence of substring
<code>LOCATE ('Sql', 'MySqlSql') = 3</code> <code>LOCATE ('xSql', 'MySql') = 0</code> <code>LOCATE ('Sql', 'MySqlSql', 5) = 6</code> <code>POSITION('Sql' IN 'MySqlSql') = 3</code>
Pattern matching using regular expressions
<code>'abc' RLIKE '[a-z]+' = 1</code> <code>'123' RLIKE '[a-z]+' = 0</code>
Return a substring from a string before the specified number of occurrences of the delimiter
<code>SUBSTRING_INDEX ('A:B:C', ':', 1) = 'A'</code> <code>SUBSTRING_INDEX ('A:B:C', ':', 2) = 'A:B'</code> <code>SUBSTRING_INDEX ('A:B:C', ':', -2) = 'B:C'</code>

CONVERSION

Return numeric value of left-most character
<code>ASCII ('2') = 50</code> <code>ASCII (2) = 50</code> <code>ASCII ('dx') = 100</code>
Return the character for each number passed
<code>CHAR (77.3,121,83,81, '76, 81.6') = 'MySQL'</code> <code>CHAR (45*256+45) = CHAR (45,45) = '--'</code> <code>CHARSET(CHAR (X'65' USING utf8)) = 'utf8'</code>
Decode to / from a base-64 string
<code>TO_BASE64 ('abc') = 'YWJj'</code> <code>FROM_BASE64 ('YWJj') = 'abc'</code>
Convert string or number to its hexadecimal representation
<code>X'616263' = 'abc'</code> <code>HEX ('abc') = 616263</code> <code>HEX(255) = 'FF'</code> <code>CONV(HEX(255), 16, 10) = 255</code>
Convert each pair of hexadecimal digits to a character
<code>UNHEX ('4D7953514C') = 'MySQL'</code> <code>UNHEX ('GG') = NULL</code> <code>UNHEX (HEX ('abc')) = 'abc'</code>
Return the argument in lowercase
<code>LOWER ('MYSQL') = 'mysql'</code> <code>LCASE ('MYSQL') = 'mysql'</code>
Load the named file
<code>SET blob_col=LOAD_FILE ('/tmp/picture')</code>
Return a string containing octal representation of a number
<code>OCT (12) = '14'</code>
Return character code for leftmost character of the argument
<code>ORD ('2') = 50</code>
Escape the argument for use in an SQL statement
<code>QUOTE ('Don\t!') = 'Don\t!'</code> <code>QUOTE (NULL) = 'NULL'</code>
Convert to uppercase
<code>UPPER ('mysql') = 'MYSQL'</code> <code>UCASE ('mysql') = 'MYSQL'</code>

MODIFICATION

Return concatenated string
<code>CONCAT ('My', 'S', 'QL') = 'MySQL'</code> <code>CONCAT ('My', NULL, 'QL') = NULL</code> <code>CONCAT (14.3) = '14.3'</code>
Return concatenate with separator
<code>CONCAT_WS (',', 'My', 'Sql') = 'My,Sql'</code> <code>CONCAT_WS (',', 'My', NULL, 'Sql') = 'My,Sql'</code>
Return a number formatted to specified number of decimal places
<code>FORMAT (12332.123456, 4) = 12,332.1235</code> <code>FORMAT (12332.1, 4) = 12,332.1000</code> <code>FORMAT (12332.2, 0) = 12332.2</code> <code>FORMAT (12332.2, 2, 'de_DE') = 12.332,20</code>
Insert a substring at the specified position up to the specified number of characters
<code>INSERT ('12345', 3, 2, 'ABC') = '12ABC5'</code> <code>INSERT ('12345', 10, 2, 'ABC') = '12345'</code> <code>INSERT ('12345', 3, 10, 'ABC') = '12ABC'</code>
Return the leftmost number of characters as specified
<code>LEFT ('MySql', 2) = 'My'</code>
Return the string argument, left-padded with the specified string
<code>LPAD ('Sql', 2, ':') = 'Sq'</code> <code>LPAD ('Sql', 4, ':') = ':Sql'</code> <code>LPAD ('Sql', 7, ':') = '::):Sql'</code>
Remove leading spaces
<code>LTRIM (' MySql') = 'MySql'</code>
Repeat a string the specified number of times
<code>REPEAT ('MySQL', 3) = 'MySQLMySQLMySQL'</code>
Replace occurrences of a specified string
<code>REPLACE ('NoSql', 'No', 'My') = 'MySql'</code>
Reverse the characters in a string
<code>REVERSE ('MySql') = 'lqSyM'</code>
Return the specified rightmost number of characters
<code>RIGHT ('MySql', 3) = 'Sql'</code>
Returns the string argument, right-padded with the specified string.
<code>RPAD ('Sql', 2, ':') = 'Sq'</code> <code>RPAD ('Sql', 4, ':') = 'Sql:.'</code> <code>RPAD ('Sql', 7, ':') = 'Sql:):.'</code>

Remove trailing spaces

`RTRIM ('MySql ') = 'MySql'`

Return a string of the specified number of spaces

`SPACE ('6') = ' '`

Return the substring as specified

`SUBSTRING=SUBSTR=MID ('MySql', 3) = 'Sql'`
`SUBSTRING=SUBSTR=MID ('MySql' FROM 4) = 'ql'`
`SUBSTRING=SUBSTR=MID ('MySql', 3, 1) = 'S'`
`SUBSTRING=SUBSTR=MID ('MySql', -3) = 'Sql'`
`SUBSTRING=SUBSTR=MID ('MySql' FROM -4 FOR 2) = 'yS'`

Remove leading and trailing spaces

`TRIM (' MySql ') = 'MySql'`
`TRIM (LEADING 'x' FROM 'xxxSqlMy') = 'MySql'`
`TRIM (BOTH 'My' FROM 'MySqlMy') = 'Sql'`
`TRIM (TRAILING 'Sql' FROM 'MySql') = 'My'`

SETS

Return string at index number

`ELT (1, 'ej', 'Heja', 'hej', 'foo') = 'ej'`
`ELT (4, 'ej', 'Heja', 'hej', 'foo') = 'foo'`

Return a string such that for every bit set in the value bits, you get an on string and for every unset bit, you get an off string

`EXPORT_SET (5, 'Y', 'N', ',', 4) = 'Y,N,Y,N'`
`EXPORT_SET (6, '1', '0', ',', 6) = '0,1,1,0,0,0'`

Return the index (position) of the first argument in the subsequent arguments

`FIELD ('ej', 'Hj', 'ej', 'Heja', 'hej', 'oo') = 2`
`FIELD ('fo', 'Hj', 'ej', 'Heja', 'hej', 'oo') = 0`

Return the index position of the first argument within the second argument

`FIND_IN_SET ('b', 'a,b,c,d') = 2`
`FIND_IN_SET ('z', 'a,b,c,d') = 0`
`FIND_IN_SET ('a,', 'a,b,c,d') = 0`

Return a set of comma-separated strings that have the corresponding bit in bits set

`MAKE_SET (1, 'a', 'b', 'c') = 'a'`
`MAKE_SET (1|4, 'ab', 'cd', 'ef') = 'ab,ef'`
`MAKE_SET (1|4, 'ab', 'cd', NULL, 'ef') = 'ab'`
`MAKE_SET (0, 'a', 'b', 'c') = ''`