

Comprehensive List of Useful MySQL Functions

Function	Description	Example Usage
<code>CONCAT()</code>	Combine multiple strings	<code>CONCAT('A', 'B') → 'AB'</code>
<code>LENGTH()</code>	Length of a string (in bytes)	<code>LENGTH('Hi') → 2</code>
<code>CHAR_LENGTH()</code>	Number of characters in a string	<code>CHAR_LENGTH('हिंदी') → 5</code>
<code>LOWER()</code>	Convert string to lowercase	<code>LOWER('MySQL') → mysql</code>
<code>UPPER()</code>	Convert string to uppercase	<code>UPPER('hello') → HELLO</code>
<code>REPLACE()</code>	Replace part of a string	<code>REPLACE('abc', 'b', 'x') → axc</code>
<code>TRIM()</code>	Remove leading/trailing spaces	<code>TRIM(' hello ') → hello</code>

NOW ()

Current date and time

NOW ()

CURDATE ()

Current date only

CURDATE ()

CURTIME ()

Current time only

CURTIME ()

DATE ()

Extract date from datetime

DATE (NOW ())

MONTHNAME (
)

Get month name from date

MONTHNAME ('2025-05-03')
→ May

YEAR ()

Extract year from date

YEAR (NOW ())

DAY ()

Extract day of month

DAY ('2025-05-03') → 3

DATEDIFF ()

Days between two dates

DATEDIFF ('2025-06-01',
'2025-05-01')

ROUND ()

Round to decimal places

ROUND (5.678, 2) → 5.68

<code>FLOOR()</code>	Round down to nearest whole number	<code>FLOOR(5.9) → 5</code>
<code>CEIL()</code>	Round up to nearest whole number	<code>CEIL(5.1) → 6</code>
<code>ABS()</code>	Absolute value	<code>ABS(-10) → 10</code>
<code>MOD()</code>	Get remainder	<code>MOD(10, 3) → 1</code>
<code>RAND()</code>	Random decimal between 0 and 1	<code>RAND()</code>
<code>IFNULL()</code>	Replace <code>NULL</code> with a default value	<code>IFNULL(NULL, 'N/A') → N/A</code>
<code>COALESCE()</code>	Return first non-NULL value in a list	<code>COALESCE(NULL, '', 'Hello') → ''</code>
<code>COUNT()</code>	Count rows	<code>COUNT(*)</code>

`AVG()`

Average of a numeric column

`AVG(score)`

`SUM()`

Total sum of values

`SUM(score)`

`MIN()`

Smallest value

`MIN(score)`

`MAX()`

Largest value

`MAX(score)`