

Comprehensive List of Useful MySQL Functions

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

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

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

`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)`