In MySQL, character functions are used to manipulate string data. Here’s a list of some commonly used character functions, along with explanations and examples:

**1. CHAR\_LENGTH()**

Returns the length of a string in characters.

SELECT CHAR\_LENGTH('Hello World'); -- Returns 11

**2. LENGTH()**

Returns the length of a string in bytes.

SELECT LENGTH('Hello World'); -- Returns 11

**3. UPPER()**

Converts a string to uppercase.

SELECT UPPER('Hello World'); -- Returns 'HELLO WORLD'

**4. LOWER()**

Converts a string to lowercase.

SELECT LOWER('Hello World'); -- Returns 'hello world'

**5. CONCAT()**

Concatenates two or more strings.

SELECT CONCAT('Hello', ' ', 'World'); -- Returns 'Hello World'

**6. SUBSTRING()**

Returns a substring from a string.

SELECT SUBSTRING('Hello World', 1, 5); -- Returns 'Hello'

**7. TRIM()**

Removes leading and trailing spaces from a string.

SELECT TRIM(' Hello World '); -- Returns 'Hello World'

**8. REPLACE()**

Replaces all occurrences of a substring within a string.

SELECT REPLACE('Hello World', 'World', 'MySQL'); -- Returns 'Hello MySQL'

**9. FIND\_IN\_SET()**

Finds the position of a string within a comma-separated list.

SELECT FIND\_IN\_SET('B', 'A,B,C'); -- Returns 2

**10. LEFT()**

Returns the leftmost characters from a string.

SELECT LEFT('Hello World', 5); -- Returns 'Hello'

**11. RIGHT()**

Returns the rightmost characters from a string.

SELECT RIGHT('Hello World', 5); -- Returns 'World'

**12. REVERSE()**

Reverses the characters in a string.

SELECT REVERSE('Hello'); -- Returns 'olleH'

**13. CHAR()**

Returns the character based on the ASCII value.

SELECT CHAR(65); -- Returns 'A'

**14. ASCII()**

Returns the ASCII value of the leftmost character of a string.

SELECT ASCII('A'); -- Returns 65

**15. LPAD() and RPAD()**

Pads a string to the left or right with another string.

SELECT LPAD('Hello', 10, '\*'); -- Returns '\*\*\*\*\*Hello'

SELECT RPAD('Hello', 10, '\*'); -- Returns 'Hello\*\*\*\*\*'

**Example Usage**

SELECT

UPPER(EmployeeName) AS UppercaseName,

LENGTH(EmployeeName) AS NameLength,

TRIM(EmployeeName) AS TrimmedName

FROM Employees;