

## **Date Functions:**

YEAR(date)  
MONTH(date)  
NOW()  
DATEDIFF(date1,date2)  
TIMESTAMPDIFF()

## **String Functions:**

REPLACE()  
LPAD() / RPAD()  
SUBSTRING()  
UPPER() / LOWER()  
CONCAT()  
TRIM()

## **Date Functions:**

```
SELECT YEAR('2023-08-15') AS extracted_year;  
  
SELECT YEAR(CURDATE()) AS current_year;  
  
SELECT DATEDIFF('2025-12-01', '2025-11-20');  
  
SELECT NOW();  
  
TIMESTAMPDIFF(unit, datetime_expr1, datetime_expr2)  
  
SELECT TIMESTAMPDIFF(YEAR, '1990-01-01', '2025-12-01');  
  
SELECT TIMESTAMPDIFF(MONTH, '2024-06-15', '2025-01-01');
```

## **String Functions:**

```
SELECT REPLACE('Hello World', 'World', 'MySQL');  
  
UPDATE your_table  
SET your_column = REPLACE(your_column, 'old_text', 'new_text')  
WHERE your_column LIKE '%old_text%';  
  
SUBSTRING(string, start_position, length)  
  
SELECT SUBSTRING('Hello World', 1, 5);  
  
UPPER(str) or UCASE(str)  
  
SELECT UPPER('hello world');  
  
LOWER(str)  
  
SELECT LOWER('HELLO WORLD');
```

`LPAD(str, len, padstr)`

`str`: The original string to be padded.

`len`: The total length of the resulting string after padding. If the original string `str` is longer than `len`, the string will be truncated to `len` characters.

`padstr`: The string used for padding. This string will be repeated as necessary to fill the left side of `str` until the total length `len` is reached.

`SELECT LPAD('Data', 8, 'AB');`

`RPAD(original_string, length, pad_string)`

`SELECT RPAD('Hello', 10, '*');`