

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, '*');
```