1. **REPLACE:** Used to replace a part of a string with another string.

SELECT **REPLACE**(‘string/text’,’what\_to\_replace’,’replaced\_with’);

Example:

SELECT REPLACE(‘SQL Tutorial’,’Tutorial’,’Course’);

Output → SQL Course

1. **COALESCE:** It returns the first non-null values from a list of expressions.

SELECT **COALESCE**(val1,val2,.......,valn);

Example:

SELECT COALESCE(NULL,NULL,’Hello’,’World’);

Output → Hello

1. **ROUND:** It rounds a number to a specified number of decimal places.

(Just like math.)

SELECT **ROUND**(number,decimal\_places);

Example:

SELECT ROUND(27.89,1);

Output → 27.9

1. **CEILING:** It returns the smallest integer that is greater or equal to the number.

It is like rounding up to the nearest whole number.

SELECT **CEILING**(number);

Example:

SELECT CEILING(72.256);

Output → 73

1. **FLOOR:** It returns the largest integer that is lesser or equal to the number.

It is like rounding down to the nearest whole number.

SELECT **FLOOR**(number);

Example:

SELECT FLOOR(72.99);

Output → 72

1. **TRUNCATE:**

SELECT **TRUNCATE**(number,decimal\_place); (MySQL)

SELECT **TRUNC**(number,decimal\_place); (PostgreSQL)

Example:

SELECT TRUNCATE(72.78,1);

Output → 72.7

| Function | Example | Output |
| --- | --- | --- |
| ROUND | 72.756 (1) | 72.8 |
| CEILING | 72.1 | 73 |
| FLOOR | 72.9 | 72 |
| TRUNCATE | 72.789 (1) | 72.7 |

1. **ABS:** It returns the absolute(positive) values of the specified numeric expression.

SELECT **ABS**(numeric\_exp);

Example:

SELECT ABS(-243.5) AS AbsNumber;

Output → 243.5;

| Constraint/Data types | Usage |
| --- | --- |
| AUTO\_INCREMENT | Automatically increase the value. |
| NOT NULL | Column must have a value. |
| CURDATE()/CURRENT\_DATE | Returns current date. |
| DECIMAL(5,2) | Total 5 digits, 2 decimal places. |
| SYSDATE() | Returns the current system date and time. |

Difference between CURDATE() and SYSDATE()

CURDATE(): Returns the current date only.

SYSDATE(): Returns the current system date and time.

Example:

SELECT SYSDATE();

Output → 2025-07-03 10:30:15 (YYYY-MM-DD HH:MM:SS)