CEIL & FLOOR

CEIL function returns the smallest integer value that is greater than or equal to a number
FLOOR function returns the largest integer value that is equal to or less than a number.

Syntax

CEIL (number)

FLOOR (number)

CEIL & FLOOR

CEIL function returns the smallest integer value that is greater than or equal to a number
FLOOR function returns the largest integer value that is equal to or less than a number.

Example

```
SELECT order_line,
        sales,
        CEIL (sales),
        FLOOR (sales) FROM sales
WHERE discount>0;
```

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RANDOM

RANDOM function can be used to return a random number between 0 and 1

Syntax

RANDOM( )

The random function will return a value between 0 (inclusive) and 1 (exclusive), so value >= 0 and value < 1.

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RANDOM

RANDOM function can be used to return a random number between 0 and 1

Example

Random decimal between a range (a included and b excluded)
SELECT RANDOM()*(b-a)+a

Random Integer between a range (both boundaries included)
SELECT FLOOR(RANDOM()*(b-a+1))+a;

SETSEED

If we set the seed by calling the setseed function, then the random function will return a repeatable sequence of random numbers that is derived from the seed.

Syntax

SETSEED (seed)

Seed can have a value between 1.0 and -1.0, inclusive.

SETSEED

If we set the seed by calling the setseed function, then the random function will return a repeatable sequence of random numbers that is derived from the seed.

Example

```
SELECT SETSEED(0.5);
SELECT RANDOM();
SELECT RANDOM();
```

ROUND

ROUND function returns a number rounded to a certain number of decimal places

Syntax

ROUND (number)

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ROUND

ROUND function returns a number rounded to a certain number of decimal places

Example

SELECT order_line,
        sales,
            ROUND (sales)
FROM sales

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POWER

POWER function returns m raised to the nth power

Syntax

POWER (m, n)

This will be equivalent to m raised to the power n.

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POWER

POWER function returns m raised to the nth power

Example

SELECT POWER(6, 2);

SELECT age, power(age,2) FROM customer OrDER BY age;