min()

[Math]

Description

Calculates the minimum of two numbers.

Syntax

min(x, y)

Parameters

x: the first number. Allowed data types: any data type.  
y: the second number. Allowed data types: any data type.

Returns

The smaller of the two numbers.

Example Code

The code ensures that it never gets above 100.

sensVal = min(sensVal, 100); // assigns sensVal to the smaller of sensVal or 100

// ensuring that it never gets above 100.

Notes and Warnings

Perhaps counter-intuitively, max() is often used to constrain the lower end of a variable’s range, while min() is used to constrain the upper end of the range.

Because of the way the min() function is implemented, avoid using other functions inside the brackets, it may lead to incorrect results

min(a++, 100); // avoid this - yields incorrect results

min(a, 100);

a++; // use this instead - keep other math outside the function