long

[Data Types]

Description

Long variables are extended size variables for number storage, and store 32 bits (4 bytes), from -2,147,483,648 to 2,147,483,647.

If doing math with integers, at least one of the numbers must be followed by an L, forcing it to be a long. See the [Integer Constants](https://www.arduino.cc/reference/en/language/variables/constants/integerconstants) page for details.

Syntax

long var = val;

Parameters

var: variable name.  
val: the value assigned to the variable.

Example Code

long speedOfLight = 186000L; // see the Integer Constants page for explanation of the 'L'