

int()

Converts a Boolean, String, or decimal Number to an integer.

`int()` converts values to integers. Integers are positive or negative numbers without decimals. If the original value has decimals, as in `-34.56`, they're removed to produce an integer such as `-34`.

The parameter, `n`, is the value to convert. If `n` is a Boolean, as in `int(false)` or `int(true)`, then the number `0` (`false`) or `1` (`true`) will be returned. If `n` is a string or number, as in `int('45')` or `int(67.89)`, then an integer will be returned. If an array is passed, as in `int([12.34, 56.78])`, then an array of integers will be returned.

Note: If a value can't be converted to a number, as in `int('giraffe')`, then the value `Nan` (not a number) will be returned.

Examples



```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a Boolean variable.
  let original = false;

  // Convert the Boolean to an integer.
  let converted = int(original);

  // Style the text.
  textAlign(CENTER, CENTER);
  textSize(16);

  // Display the original and converted values.
  text(`original : ${converted}`, 50, 50);

  describe('The text "false : 0" written in black on a gray background.');
}
```



```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a string variable.
  let original = '12.34';

  // Convert the string to an integer.
  let converted = int(original);

  // Style the text.
  textAlign(CENTER, CENTER);
  textSize(14);

  // Display the original and converted values.
  text(`original = ${converted}`, 50, 50);

  describe('The text "12.34 = 12" written in black on a gray background.');
}
```



```
function setup() {
  createCanvas(100, 100);

  background(200);

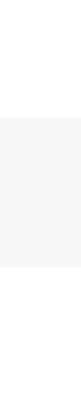
  // Create a decimal number variable.
  let original = 12.34;

  // Convert the decimal number to an integer.
  let converted = int(original);

  // Style the text.
  textAlign(CENTER, CENTER);
  textSize(14);

  // Display the original and converted values.
  text(`original = ${converted}`, 50, 50);

  describe('The text "12.34 = 12" written in black on a gray background.');
}
```



```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create an array of strings.
  let original = ['60', '30', '15'];

  // Convert the strings to integers.
  let diameters = int(original);

  for (let d of diameters) {
    // Draw a circle.
    circle(50, 50, d);
  }

  describe('Three white, concentric circles on a gray background.');
}
```

Syntax

`int(n)`

`int(ns)`

Parameters

`n`: String|Boolean|Number: value to convert.
`ns`: Array: values to convert.

Returns

Number: converted number.

This page is generated from the comments in [src/utilities/conversion.js](#). Please feel free to edit it and submit a pull request!

Related References

`boolean`

Converts a String or Number to a Boolean.

`byte`

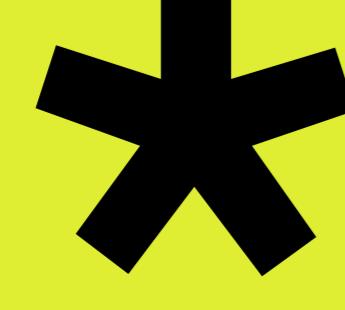
Converts a Boolean, String, or Number to its byte value.

`char`

Converts a Number or String to a single-character String.

`float`

Converts a String to a floating point (decimal) Number.



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