

getNum()

Return an attribute's value as a `Number`.

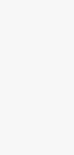
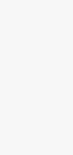
The first parameter, `name`, is a string with the name of the attribute being checked. For example, calling `myXML.getNum('id')` returns the element's `id` attribute as a number.

The second parameter, `defaultValue`, is optional. If a number is passed, as in `myXML.getNum('id', -1)`, it will be returned if the attribute doesn't exist or can't be converted to a number.

Note: Use `myXML.getString()` or `myXML.getNum()` to return an attribute's value.

Examples

Turtle is 4th



```
let myXML;

// Load the XML and create a p5.XML object.
function preload() {
  myXML = loadXML('/assets/animals.xml');
}

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

  background(200);

  // Get the first reptile child element.
  let reptile = myXML.getChild('reptile');

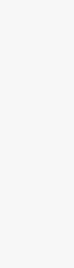
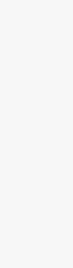
  // Get the reptile's content.
  let content = reptile.getContent();

  // Get the reptile's ID.
  let id = reptile.getNum('id');

  // Style the text.
  textAlign(LEFT, CENTER);
  textFont('Courier New');
  textSize(14);

  // Display the ID attribute.
  text(`${content} is ${id + 1}th`, 5, 50, 90);

  describe(`The text "${content}" is ${id + 1}th written in black on a gray background.`);
}
```



```
let myXML;

// Load the XML and create a p5.XML object.
function preload() {
  myXML = loadXML('/assets/animals.xml');
}

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

  background(200);

  // Get the first reptile child element.
  let reptile = myXML.getChild('reptile');

  // Get the reptile's content.
  let content = reptile.getContent();

  // Get the reptile's size.
  let weight = reptile.getNum('weight', 135);

  // Style the text.
  textAlign(LEFT, CENTER);
  textFont('Courier New');
  textSize(14);

  // Display the ID attribute.
  text(`${content} is ${weight}kg`, 5, 50, 90);

  describe(
    `The text "${content}" is ${weight}kg written in black on a gray background.`);
}
```

Syntax

```
getNum(name, [defaultValue])
```



Parameters

`name` String: name of the attribute to be checked.
`defaultValue` Number: value to return if the attribute doesn't exist.

Returns

Number: attribute value as a number.

This page is generated from the comments in `src/io/p5.XML.js`. Please feel free to edit it and submit a pull request!

Related References

`addChild` Adds a new child element and returns a reference to it.

`getAttributeCount` Returns the number of attributes the element has.

`getChild` Returns the first matching child element as a new p5.XML object.

`getChildren` Returns an array with the element's child elements as new p5.XML objects.



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