

Reference > saveJSON()

saveJSON()

Saves an `Object` or `Array` to a JSON file.

JavaScript Object Notation (**JSON**) is a standard format for sending data between applications. The format is based on JavaScript objects which have keys and values. JSON files store data in an object with strings as keys. Values can be strings, numbers, Booleans, arrays, `null`, or other objects.

The first parameter, `json`, is the data to save. The data can be an array, as in `[1, 2, 3]`, or an object, as in `{ x: 50, y: 50, color: 'deeppink' }`.

The second parameter, `filename`, is a string that sets the file's name. For example, calling `saveJSON([1, 2, 3], 'data.json')` saves the array `[1, 2, 3]` to a file called `data.json` on the user's computer.

The third parameter, `optimize`, is optional. If `true` is passed, as in `saveJSON([1, 2, 3], 'data.json', true)`, then all unneeded whitespace will be removed to reduce the file size.

Note: The browser will either save the file immediately or prompt the user with a dialogue window.

Examples

Double-click to save

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

  background(200);

  // Style the text.
  textAlign(LEFT, CENTER);
  textFont('Courier New');
  textSize(12);

  // Display instructions.
  text('Double-click to save', 5, 50, 90);

  describe('The text "Double-click to save" written in black on a gray background.');
```

Double-click to save

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

  background(200);

  // Style the text.
  textAlign(LEFT, CENTER);
  textFont('Courier New');
  textSize(12);

  // Display instructions.
  text('Double-click to save', 5, 50, 90);

  describe('The text "Double-click to save" written in black on a gray background.');
```

Double-click to save

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

  background(200);

  // Style the text.
  textAlign(LEFT, CENTER);
  textFont('Courier New');
  textSize(12);

  // Display instructions.
  text('Double-click to save', 5, 50, 90);

  describe('The text "Double-click to save" written in black on a gray background.');
```

Syntax

```
saveJSON(json, filename, [optimize])
```

Parameters

json	Array/Object: data to save.
filename	String: name of the file to be saved.
optimize	Boolean: whether to trim unneeded whitespace. Defaults to <code>true</code> .

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

Related References

clear Clears all data from the print stream.	close Saves the file and closes the print stream.	print Writes data to the print stream with new lines added.	write Writes data to the print stream without adding new lines.
--	---	---	---

