

Reads the contents of a file or URL and creates a **p5.Table** object with its values. If a file is specified, it must be located in the sketch's "data" folder. The filename parameter can also be a URL to a file found online. By default, the file is assumed to be comma-separated (in CSV format). Table only looks for a header row if the 'header' option is included.

This method is asynchronous, meaning it may not finish before the next line in your sketch is executed. Calling **loadTable()** inside **preload()** guarantees to complete the operation before **setup()** and **draw()** are called. Outside of **preload()**, you may supply a callback function to handle the object:

All files loaded and saved use UTF-8 encoding. This method is suitable for fetching files up to size of 64MB.

Examples

```
// Given the following CSV file called "mammals.csv"
// located in the project's "assets" folder:
//
// id,species,name
// 0,Capra hircus,Goat
// 1,Panthera pardus,Leopard
// 2,Equus zebra,Zebra

let table;

function preload() {
  //my table is comma separated value "csv"
  //and has a header specifying the columns labels
  table = loadTable('/assets/mammals.csv', 'csv', 'header');
  //the file can be remote
  //table = loadTable("https://p5js.org/reference/assets/mammals.csv",
  //                  "csv", "header");
}

function setup() {
  //count the columns
  print(table.getRowCount() + ' total rows in table');
  print(table.getColumnCount() + ' total columns in table');

  print(table.getColumn('name'));
}
```

Syntax

```
loadTable(filename, [extension], [header], [callback], [errorCallback])
```

Parameters

filename	String: name of the file or URL to load
extension	String: parse the table by comma-separated values "csv", semicolon-separated values "ssv", or tab-separated values "tsv"
header	String: "header" to indicate table has header row
callback	Function: function to be executed after loadTable() completes. On success, the Table object is passed in as the first argument.
errorCallback	Function: function to be executed if there is an error, response is passed in as first argument

Returns

Object: **Table** object containing data

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

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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