

## How to Read a File in Node.js using Node FS

We shall learn to read a File in Node.js using Node FS, File System built-in module. A Node.js example program that uses `readFile()` function is provided.

### Read a File in Node.js

Following is a step by step guide to read content of a File in Node.js :

- **Step 1** : Include File System built-in module to your Node.js program

```
var fs = require('fs');
```

- **Step 2** : Read file using `readFile` function

```
fs.readFile('<fileName>', <callbackFunction>)
```

Callback function is provided as an argument to `readFile` function. When reading the file is completed (could be with or without error), call back function is called with `err`(if there is an error reading file) and `data`(if reading file is successful).

- **Step 3** : Create a sample file, say `sample.html` with some content in it. Place the sample file at the location of node.js example program, which is provided below.

### Create following Node.js program to read content of file in Node.js

readFileExample.js

```
// include file system
module

// include file system module
var fs = require('fs');

// read file sample.html
fs.readFile('sample.html',
  // callback function that is called when reading file is done
  function(err, data) {
    if (err) throw err;
    // data is a buffer containing file content
    console.log(data.toString('utf8'))
  });
```

Run the program using `node` command in terminal or command prompt :

Terminal Output

```
$ node
readFileExample.js
```

```
$ node readFileExample.js
<html>
<body>
<h1>Header</h1>
<p>I have learnt to read a file in Node.js.</p>
</body>
</html>
```

## Conclusion :

In this [Node.js Tutorial](#) – [Node FS](#), we have learnt to read a File in Node.js using File System built-in module. Node.js example program has been provided that uses `readFile()` function.

### Node.js

- [Node.js Tutorial](#)

### Get Started With Node.js

- [Install Node.js Ubuntu Linux](#)
- [Install Node.js Windows](#)
- [Node.js - Basic Example](#)
- [Node.js - Command Line Arguments](#)
- [Node.js - Modules](#)
- [Node.js - Create a module](#)
- [Node.js - Add new functions to Module](#)
- [Node.js - Override functions of Module](#)
- [Node.js - Callback Function](#)
- [Node.js - forEach](#)

### Express.js

- [Express.js Tutorial](#)
- [What is Express.js?](#)
- [Express.js Application Example](#)
- [Install Express.js](#)
- [Express.js Routes](#)
- [Express.js Middleware](#)
- [Express.js Router](#)

### Node.js Buffers

‡ [Node.js Buffer - Create, Write, Read](#)

‡ [Node.js Buffer - Length](#)

‡ [Node.js - Convert JSON to Buffer](#)

‡ [Node.js - Array to Buffer](#)

## Node.js HTTP

‡ [Node.js - Create HTTP Web Server](#)

‡ [Node.js - Redirect URL](#)

## Node.js MySQL

‡ [Node.js MySQL](#)

‡ [Node.js MySQL - Connect to MySQL Database](#)

‡ [Node.js MySQL - SELECT FROM](#)

‡ [Node.js MySQL - SELECT WHERE](#)

‡ [Node.js MySQL - ORDER BY](#)

‡ [Node.js MySQL - INSERT INTO](#)

‡ [Node.js MySQL - UPDATE](#)

‡ [Node.js MySQL - DELETE](#)

‡ [Node.js MySQL - Result Object](#)

## Node.js MongoDB

‡ [Node.js MongoDB](#)

‡ [Node.js - Connect to MongoDB](#)

‡ [Node.js - Create Database in MongoDB](#)

‡ [Node.js - Drop Database in MongoDB](#)

‡ [Node.js - Create Collection in MongoDB](#)

‡ [Node.js - Delete Collection in MongoDB](#)

‡ [Node.js - Insert Documents to MongoDB Collection](#)

‡ [MongoError: failed to connect to server](#)

## Node.js Mongoose

‡ [Node.js Mongoose Tutorial](#)

‡ [Node.js Mongoose - Installation](#)

‡ [Node.js Mongoose - Connect to MongoDB](#)

‡ [Node.js Mongoose - Define a Model](#)

‡ [Node.js Mongoose - Insert Single Document to MongoDB](#)

‡ [Node.js Mongoose - Insert Multiple Documents to MongoDB](#)

## Node.js URL

‣ [Node.js - Parse URL parameters](#)

## Node.js FS (File System)

‣ [Node FS](#)

‣ [Node FS - Read a File](#)

‣ [Node FS - Create a File](#)

‣ [Node FS - Write to a File](#)

‣ [Node FS - Append to a File](#)

‣ [Node FS - Rename a File](#)

‣ [Node FS - Delete a File](#)

‣ [Node FS Extra - Copy a Folder](#)

## Node.js JSON

‣ [Node.js Parse JSON](#)

‣ [Node.js Write JSON Object to File](#)

## Node.js Error Handling

‣ [Node.js Try Catch](#)

## Node.js Examples

‣ [Node.js Examples](#)

‣ [Node.js - Handle Get Requests](#)

‣ [Node.js Example - Upload files to Node.js server](#)

## Useful Resources

‣ [Node.js Interview Questions](#)

‣ [How to Learn Programming](#)