





WHY CARE?

If you want to create a server and know JavaScript



SERVER

- ◉ **A program running on a computer connected to the internet**
- ◉ **Serves content requested by remote clients**

MODULES AND THE NODE ENVIRONMENT

GLOBAL VARIABLES

Every module in Node has access to the same set of global variables

`process`

`global`

`console`

`setTimeout/clearTimeout`

`setInterval/clearInterval`

“MODULE” VARIABLES

- ◉ **Every module in Node has its OWN set of “module” variables that are available in the default scope**

```
__dirname  
__filename  
module  
require
```



module

- **Object**
- **Represents the module itself**
- **Most importantly, has a property called** `exports`

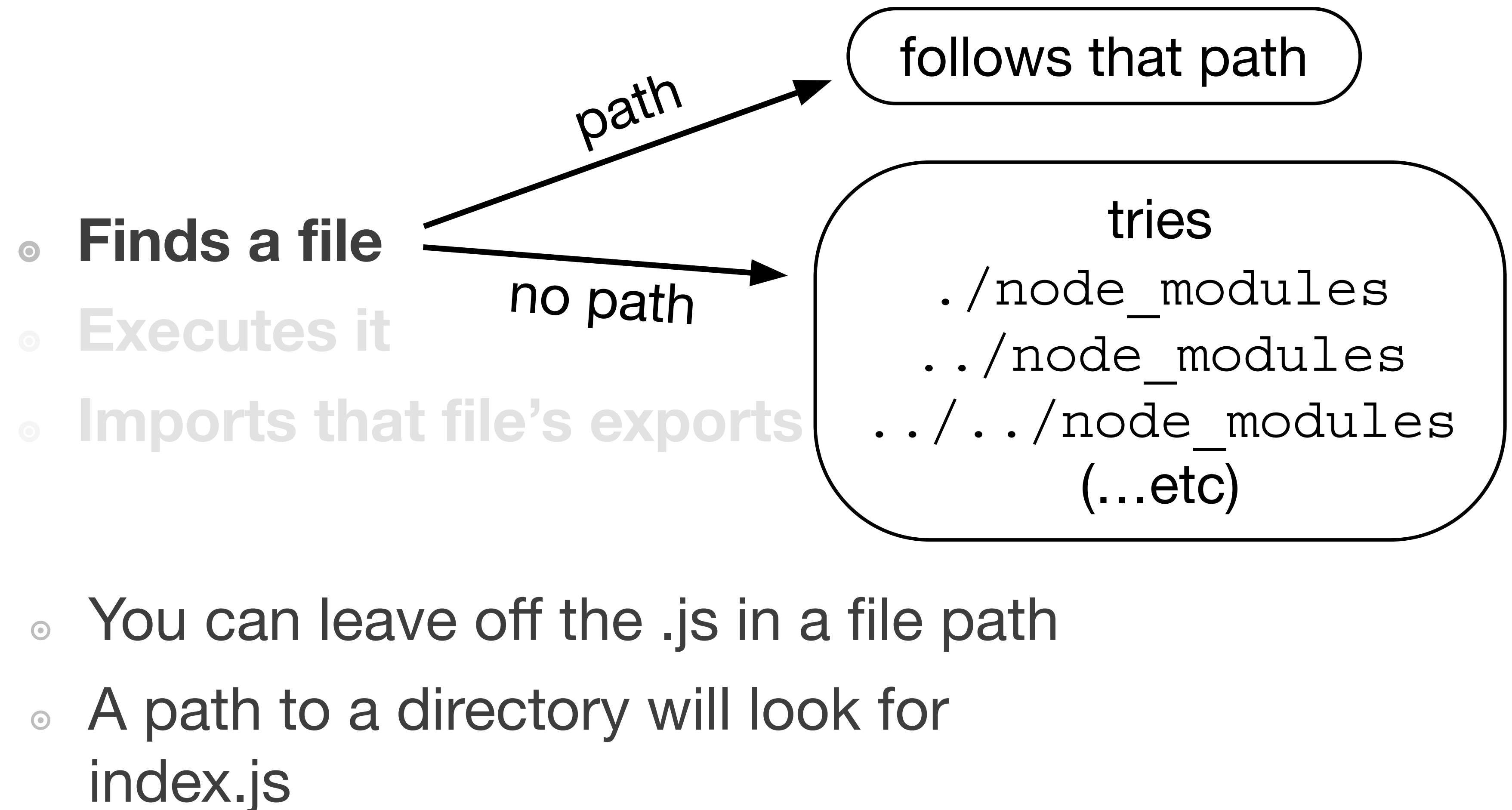


`module.exports`

- ◉ Initially an empty object
- ◉ Assign it the data you want to expose
- ◉ **A require of this file (“module”) will return its `module.exports`**



require



DEMO



NPM

- ◉ **n**ode **p**ackage **m**anager
- ◉ **Command line tool**
- ◉ **Can find libraries of code online**
- ◉ **Downloads them locally or globally (into `node_modules` directory)**
- ◉ **Keeps list of project dependencies in `package.json`**



`package.json`

Describes your project, e.g. its dependencies...

- ◉ **Collaboration within your team**
- ◉ **Sharing within the node community**



SUMMARY

- ◉ **Node allows for server-side JavaScript**
- ◉ `require` **pulls in what** `module.exports` **exposes**