



# Intro to Node.js

the only real dev language

# What is Node.js?

- It's Javascript but running on your computer.
- Gulp, Atom Editor, web applications

## Non-Blocking I/O

```
1 var fs = require('fs');
2
3 fs.readFile('blah.txt', 'utf8', function(err, data) {
4   console.log(data);
5 });
6 console.log('hi');
7
```

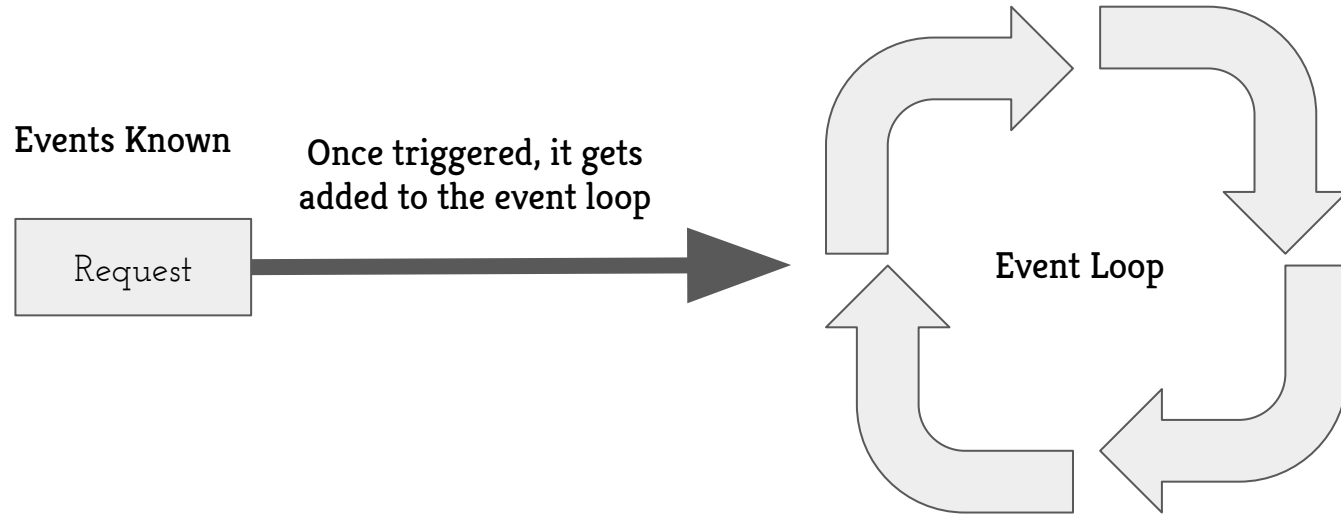
```
hi
aaaaaaaaaaaaaaaaaaaaaa lamooooo
```

## Blocking I/O

```
1 var fs = require('fs');
2
3 var data = fs.readFileSync('blah.txt', 'utf8');
4 console.log(data);
5 console.log('hi');
6
```

```
aaaaaaaaaaaaaaaaaaaaaa lamooooo
hi
```

# Event Loop



# Questions?

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# Time to Build Something

A calculator? Idk we'll see

# First, install Node.js

Generally:

<https://nodejs.org/en/download/>

People who have package managers:

<https://nodejs.org/en/download/package-manager/>

Once you're finished installing, check that it works:

```
$ node -v
```

```
$ npm -v
```

# package.json

Use:

\$ npm init

```
name: (Intro-to-NodeJS) intro-to-nodejs
version: (1.0.0) 0.0.0
description: My Tech Talk at HackFREE
entry point: (index.js) app.js
test command:
git repository: (https://github.com/dominusbelli/intro-to-nodejs.git)
keywords:
author: Carlin
license: (ISC) MIT
```