



**JIT Compilation**

**How does it work?**

$$2 + 2$$



4











```
console.log('Hello, World')
```

```
await fs.readFile('boo.txt')
```

undefined

**Buffer<FF FF FF FF ...>**

Hello, World

$$2 + 2$$



4

# JIT Compilation

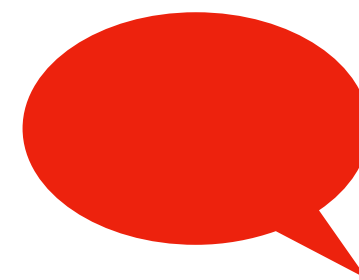
How does it work?

2 + 2

console.log('Hello, World')

await fs.readFile('boo.txt')

2 + 2



4

undefined

Buffer<FF FF FF FF ...>

4

**V8 is one\* of the JavaScript engines  
that can and does JIT compilation**