What is node.js?

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node JS 101

Class Overview

Who are you?

What is node.js?

Getting our hands dirty

Your Name

What do you do?

Why do you want to learn node?

node
JS

NETFLIX

Walmart

IBM

Expedia®

PayPal™

Microsoft

UBER

2 million node modules installed *daily*

9th most *popular* technology*

Used in nearly *every* industry

*http://stackoverflow.com/research/developer-survey-2016

What do companies use node for?

Web Sites

Desktop Apps

Automation

How does code work?

```
var x = 2;
var y = 5;
console.log(x + y);
```

```
01110111 01101111 01110111 00101100
00100000 01101001 01100110 00100000
01111001 01101111 01110101 00100000
01100001 01110010 01101011 00100000
01110010 01100101 01100001 01100100
01101001 01101110 01100111 00100000
01110100 01101000 01101001 01110011
00100000 01110100 01101000 01100101
01101110 00100000 01111001 01101111
01110101 00100000 01101000 01100001
01110110 01100101 00100000 01110111
01100001 01111001 00100000 01110100
01101111 01101111 00100000 01101101
01110101 01100011 01101000 00100000
01110100 01101001 01101101 01100101
00100000 01101111 01101110 00100000
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00100000 01101000 01100001 01101110
01100100 01110011 00100001
```
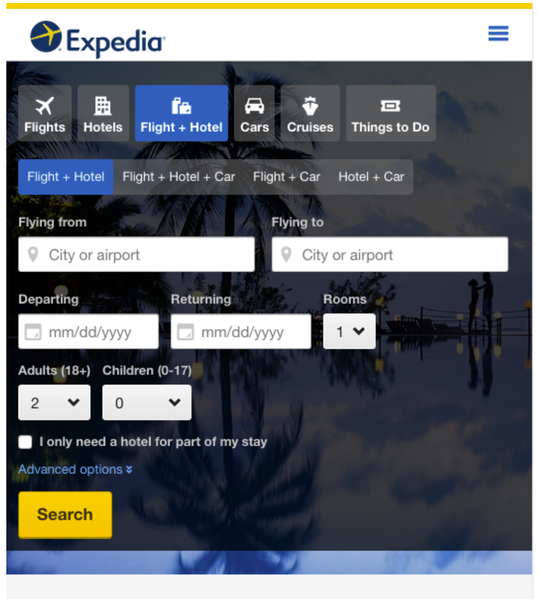
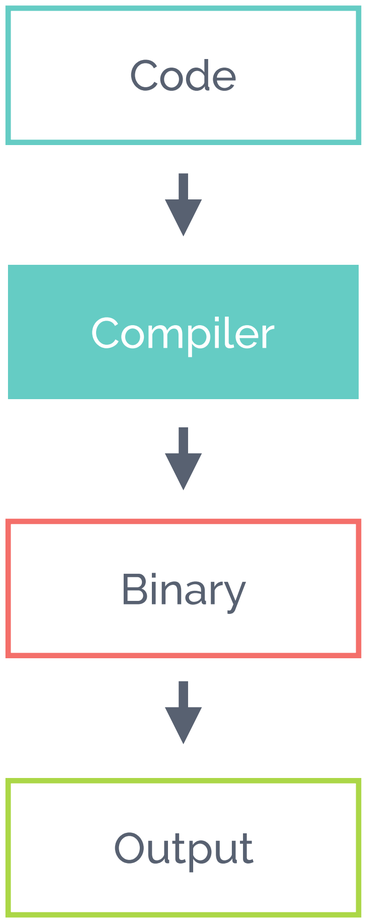



Code

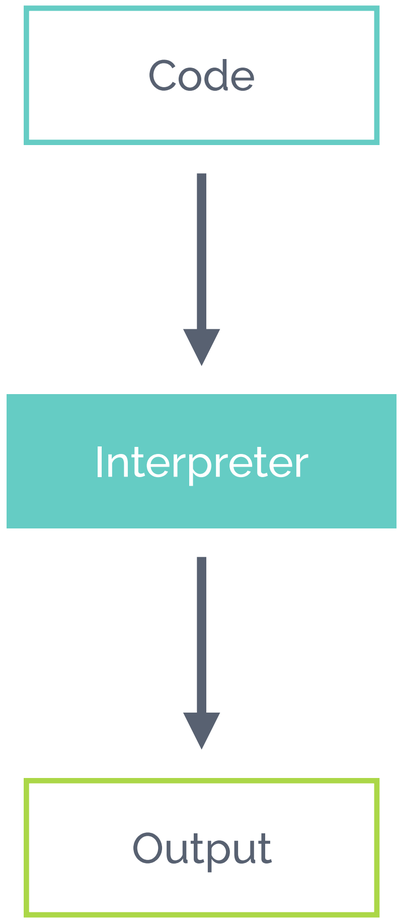
Binary

Output

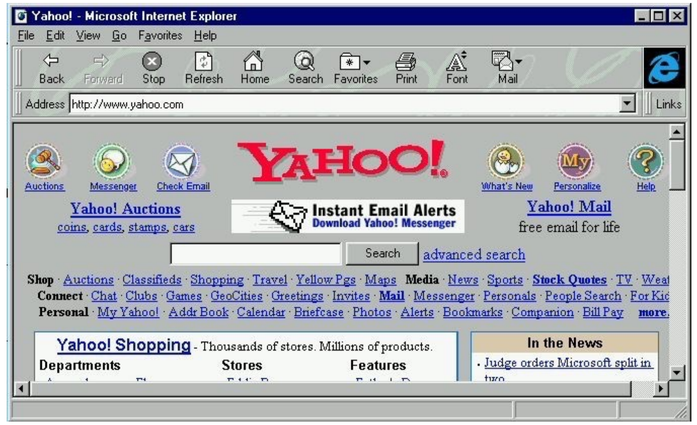
Compiled Code



Interpreted Code



1996


Yahoo! - Microsoft Internet Explorer
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites Print Font Mail
Address http://www.yahoo.com
Links
YAHOO!
Auctions Messenger Check Email
What's New Personalize Help
Yahoo! Auctions
coins, cards, stamps, cars
Instant Email Alerts
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Search
advanced search
Shop · Auctions · Classifieds · Shopping · Travel · Yellow Pgs · Maps Media · News · Sports · Stock Quotes · TV · Weat
Connect · Chat · Clubs · Games · GeoCities · Greetings · Invites · Mail · Messenger · Personals · People Search · For Kid
Personal · My Yahoo! · Addr Book · Calendar · Briefcase · Photos · Alerts · Bookmarks · Companion · Bill Pay more.
Yahoo! Shopping - Thousands of stores. Millions of products.
Departments Stores Features
In the News
· Judge orders Microsoft split in

JS

TOM CRUISE
JERRY MAGUIRE

MAKE GIFS AT GIFSOUP.COM

JavaScript

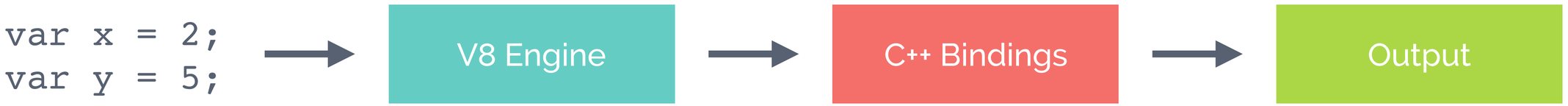
JScript

ECMAScript

JavaScript is Specification not an Implementation

Birth of node.js

How node works



Code

Node Interpreter

Binding to OS

Output!

What can you do with node?

Automate a task

Make a personal website

Program a robot

Class Scope

Understand node

Be comfortable writing JavaScript in node

Build simple, command line applications

Install Node

https://nodejs.org

*Any version is fine!

How to open a command line

Windows

1. Windows Key
2. “Command Prompt”

OSX

1. Command + Space
2. “Terminal”

Things to do so Ryan doesn't forget

Install Visual Studio + HelloWorld.js

Install Github Client + Signup

Fork Class Repository on Github