

What is node.js?



Ryan Lewis
rylewis@expedia.com



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?



NETFLIX

Walmart 

IBM

 **Expedia**[®]

PayPal[™]

 **Microsoft**


U B E R

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?

A solid teal square.

Web Sites

A solid red square.

Desktop Apps

A solid green square.

Automation

How does code work?

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

Code



```
01110111 01101111 01110111 00101100  
00100000 01101001 01100110 00100000  
01111001 01101111 01110101 00100000  
01100001 01110010 01100101 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  
01111001 01101111 01110101 01110010  
00100000 01101000 01100001 01101110  
01100100 01110011 00100001
```

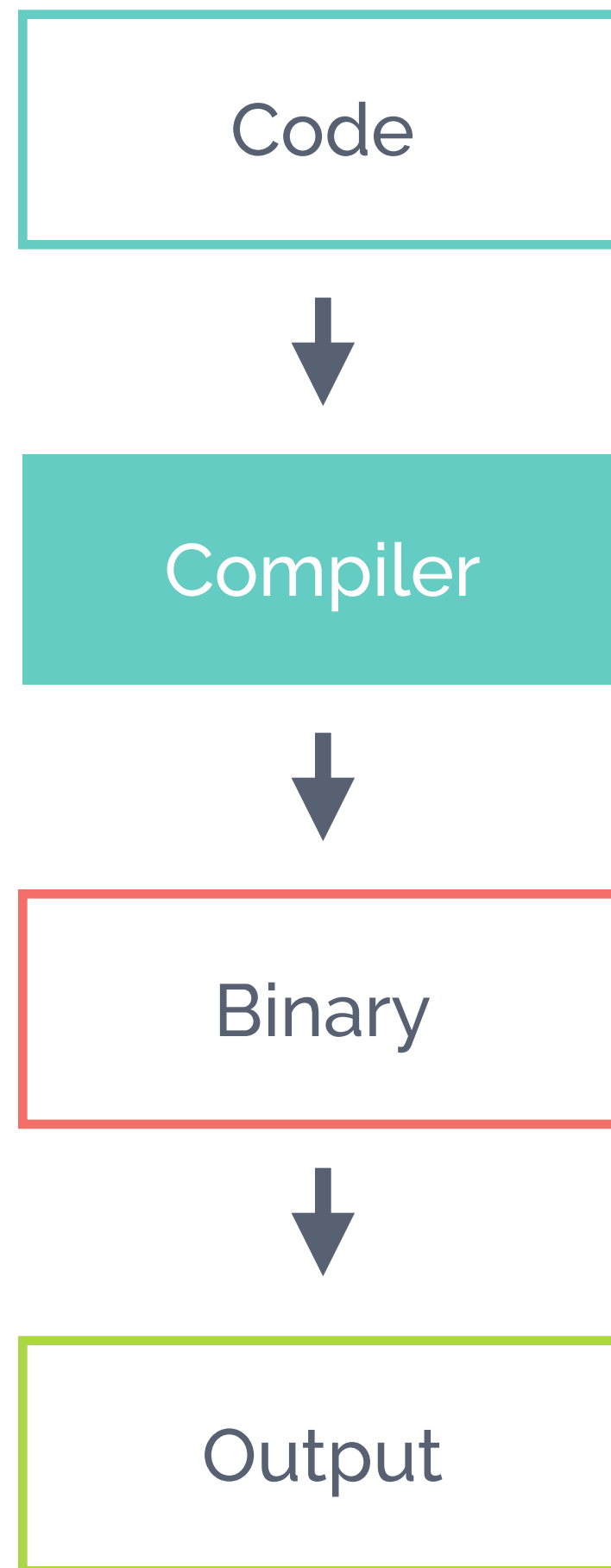
Binary



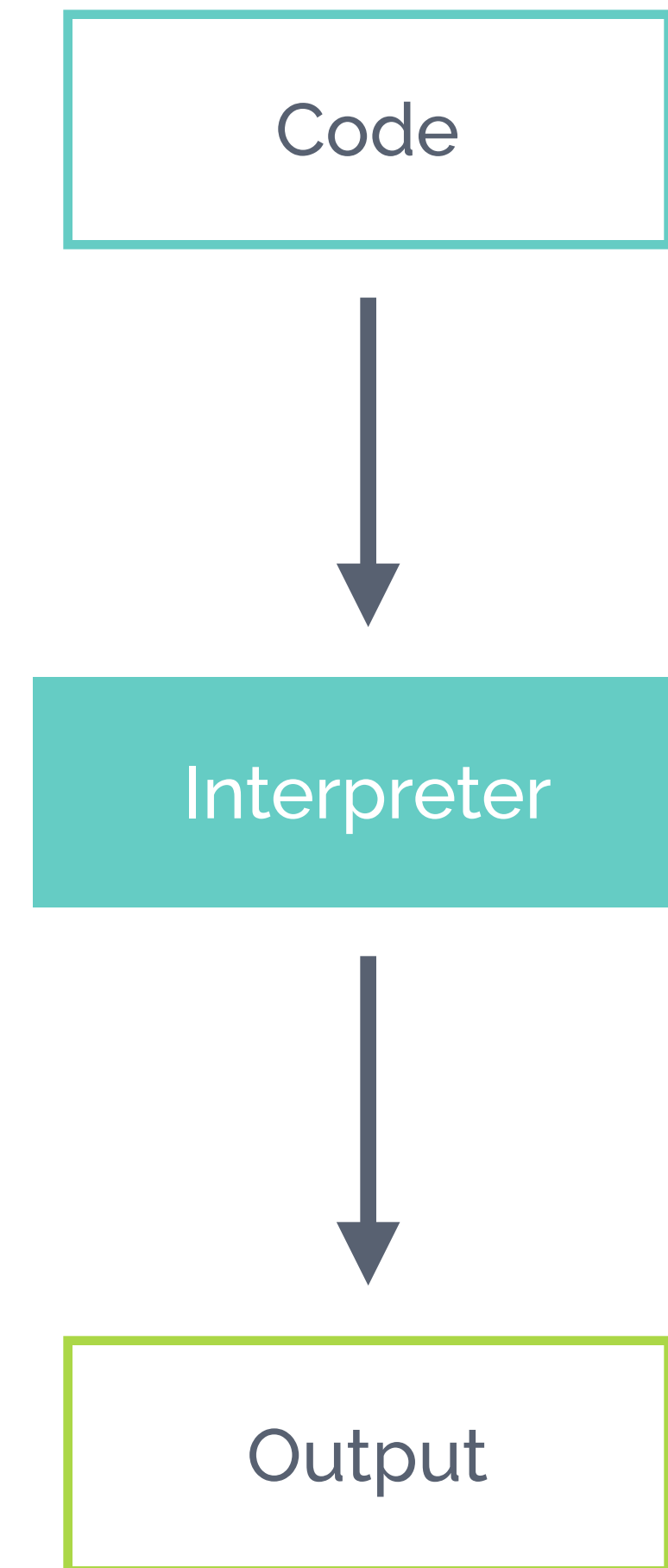
The image shows the Expedia website's flight search interface. At the top, there's a navigation bar with the Expedia logo and a menu icon. Below it, a row of buttons includes 'Flights', 'Hotels', 'Flight + Hotel' (which is highlighted), 'Cars', 'Cruises', and 'Things to Do'. Under the 'Flight + Hotel' button, there's a sub-menu with 'Flight + Hotel', 'Flight + Hotel + Car', 'Flight + Car', and 'Hotel + Car'. The main search form has two input fields for 'Flying from' and 'Flying to', both with placeholder text 'City or airport'. Below these are 'Departing' and 'Returning' date pickers with a calendar icon and a 'Rooms' dropdown menu set to '1'. There are also dropdowns for 'Adults (18+)' set to '2' and 'Children (0-17)' set to '0'. A checkbox option says 'I only need a hotel for part of my stay'. At the bottom of the form is a yellow 'Search' button.

Output

Compiled Code



Interpreted Code



1996





JavaScript



JScript



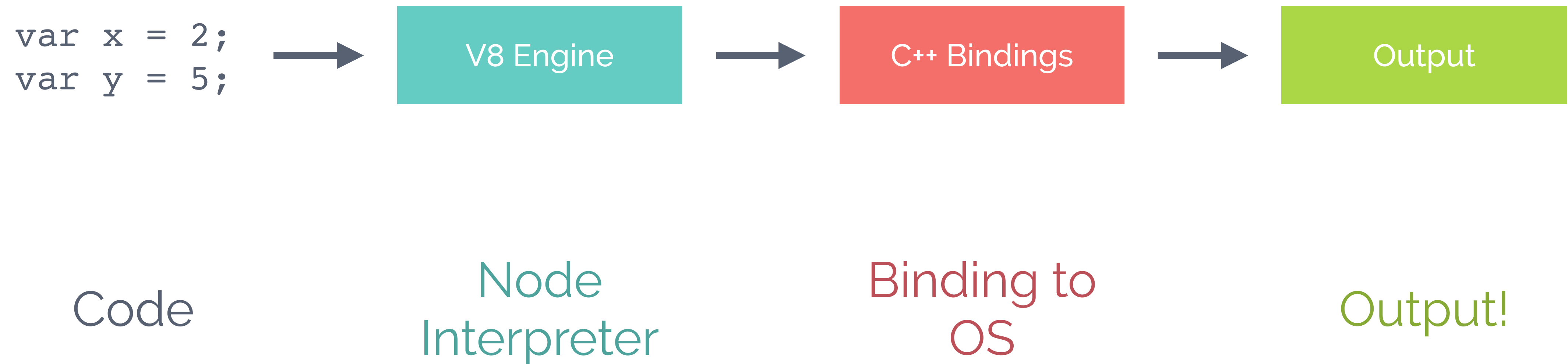
ECMAScript

Birth of node.js



V8 JavaScript
Engine

How node works



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