Programming Fundamentals

JavaScript History Lesson

1995

Netscape Navigator

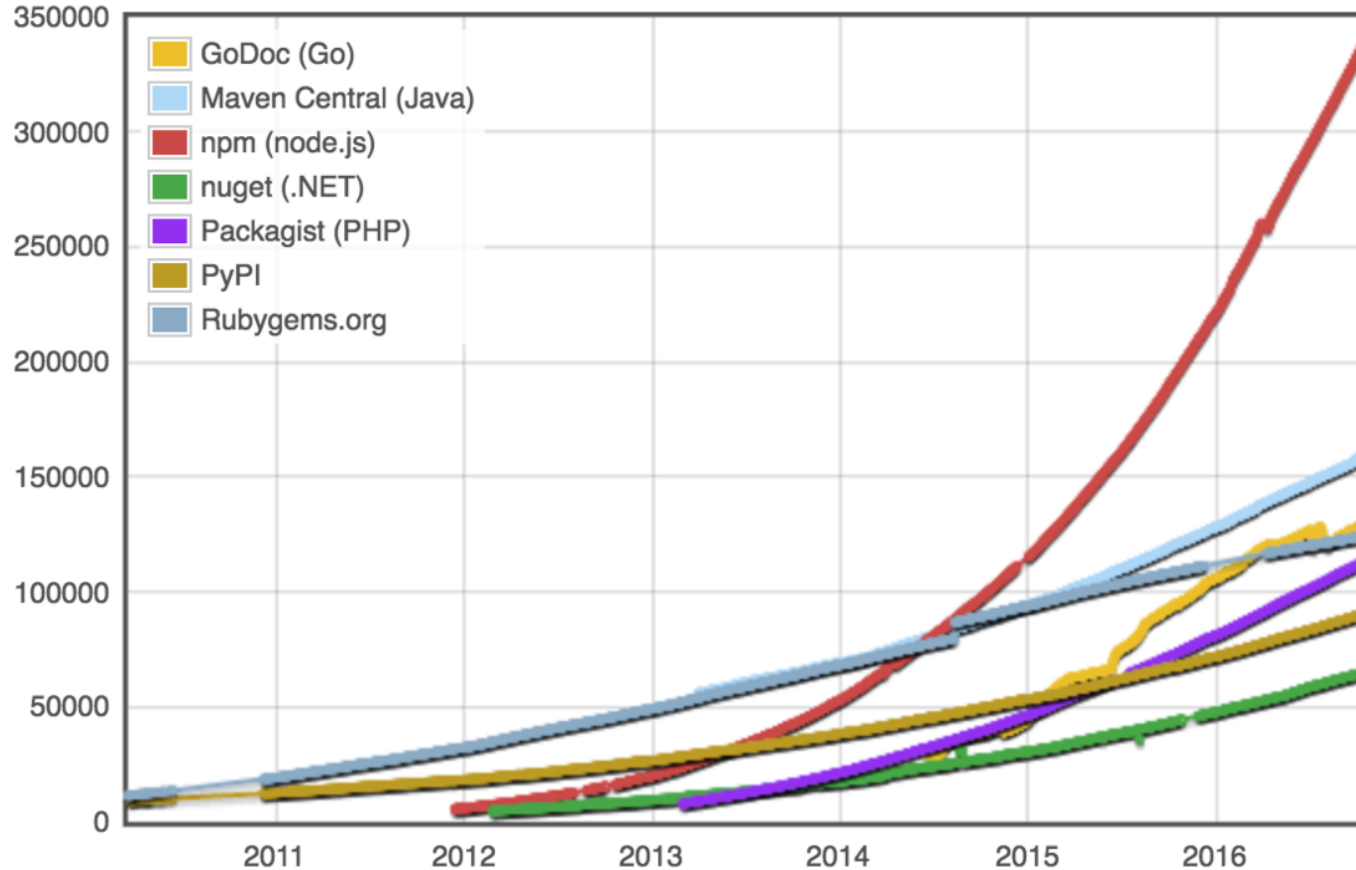# Brendan Eich

1996

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ECMAScript Versions:

- ECMA–262 1st Edition June 1997
- ECMA–262 2nd Edition June 1998
- ECMA–262 3rd Edition December 1999
- ECMA–262 5th Edition December 2009
- ECMA–262 5.1 Edition June 2011
- ECMA–262 6th Edition June 2015

But... Why are we even learning JavaScript?

Module Counts

Legend:
- GoDoc (Go)
- Maven Central (Java)
- npm (node.js)
- nuget (.NET)
- Packagist (PHP)
- PyPI
- Rubygems.org

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Let's do some programming!

Variables

What are they?

A placeholder that represents a value.

- x = 1
- greeting = hello
- calc = 4 + 2

Data Types
What are they?

A classification which specifies a type of data

- "hello"
- 42
- true

Loops
What are they?

Repeating steps until an end condition is met

- Count to 10
- Draw 3 circles
- Fill a tank of gas

Functions
What are they?

Sequence of instructions that perform a specific task

- Pay the cashier
- Open the car door
- Take a drink

(can also be referred to as a subroutine)

Algorithms

What are they?

A set of step-by-step instructions to perform a task

- Bake a cake
- Calculate the area of a circle
- Buy groceries