

- Agenda
- 1) Node JS
 - 2) modules
 - 3) npm
 - 4) activity
- need class projects

dot notation → directly property access

```

var obj = {
  a: 12,
  b: 10
}
obj.a
obj.b
obj.colors[1]
obj.red
  
```

NodeJS

↳ it is a JS runtime environment.

browsers → dynamic → chrome → V8

Ryan Dahl 2009

Graph V8 → NodeJS

libuv

C++ → JS → fast

n=5 →

```

nums = [10, 11, 12, 13];
nums = {
  "0": 10,
  "1": 11,
  "2": 12,
  "3": 13
}
  
```

A synchronous

- 1) ✓
- 2) rev ✓ res
- 3) rev ✓ res
- 7) ✓

asynchronous

event loop

Diagrams

nodeJS → server

NodeJS is a non blocking I/O model, event driven

ie. why it is efficient

nodejs → output → idled

node modules

↳ modules

↳ functions

fs os cp

npm → node package manager

↳ lodash

event driven

↳ respond

System → JS ✓