

an hour of

node.js

install node.js: <http://nodejs.org>

download the workshop: <http://tiny.cc/node>

say hi to your neighbors

why node?

Reason 1

it's fast!

“CPU utilization was hovering around 1%
... **developers were bored**”

–Walmart on Black Friday

Reason 2

it's fast! (to write)

“it took **fewer** developers **half the time**
to reach feature parity with the Java app”

–Paypal

“twice as fast using one core
...**than when Java was using five**”

–Paypal

Act 1

common interview questions in js

follow along!

open the `act1` folder

run the examples with ``node examples/<filename>``

reverse.js

```
var list = ['a', 'b', 3, 4, 5];
```

```
console.log(list.reverse());
```

```
// => [ 5, 4, 3, 'b', 'a' ]
```

palindrome.js

```
function palindrome (word) {  
    return word.split('').reverse().join('') == word;  
}
```

```
console.log(palindrome('racecar')); // => true  
console.log(palindrome('cat')); // => false
```

fizzbuzz.js

```
for(var i=1, ii=100; i<=ii; ++i) {  
    var three = i%3 === 0  
        , five = i%5 === 0  
        , both = three && five;  
  
    if(both)  
        console.log('FizzBuzz');  
    else if(three)  
        console.log('Fizz');  
    else if(five)  
        console.log('Buzz');  
    else  
        console.log(i);  
}
```



your turn!

open [exercises/missingno.js](#)

here is cheatsheet.js:

- variables: ``var i, b='meow', c=['array']``
- functions: ``function cat() { return 'meow'; }``
- loops: ``for(;;){ }`` ``while(false){ }``
- output: ``console.log('taco');``
- arrays: ``[1, 2, 3].length`` ``[1, 2, 3].sort()``

count.js

```
var i = 0  
    , count;
```

```
count = function () {  
    return ++i;  
};
```

```
console.log(count()); // => 1  
console.log(count()); // => 2  
console.log(count()); // => 3
```

counter.js

```
var makeCounter;

makeCounter = function () {
  var i = 0;

  return function () {
    return ++i;
  };
};

var a = makeCounter()
    , b = makeCounter();

console.log(a()); // => 1
console.log(b()); // => 1
console.log(a()); // => 2
```




your turn!
open `exercises/inception.js`