Computer Science E-1

Lecture 9: Programming

Final Project

http://csel.net/store

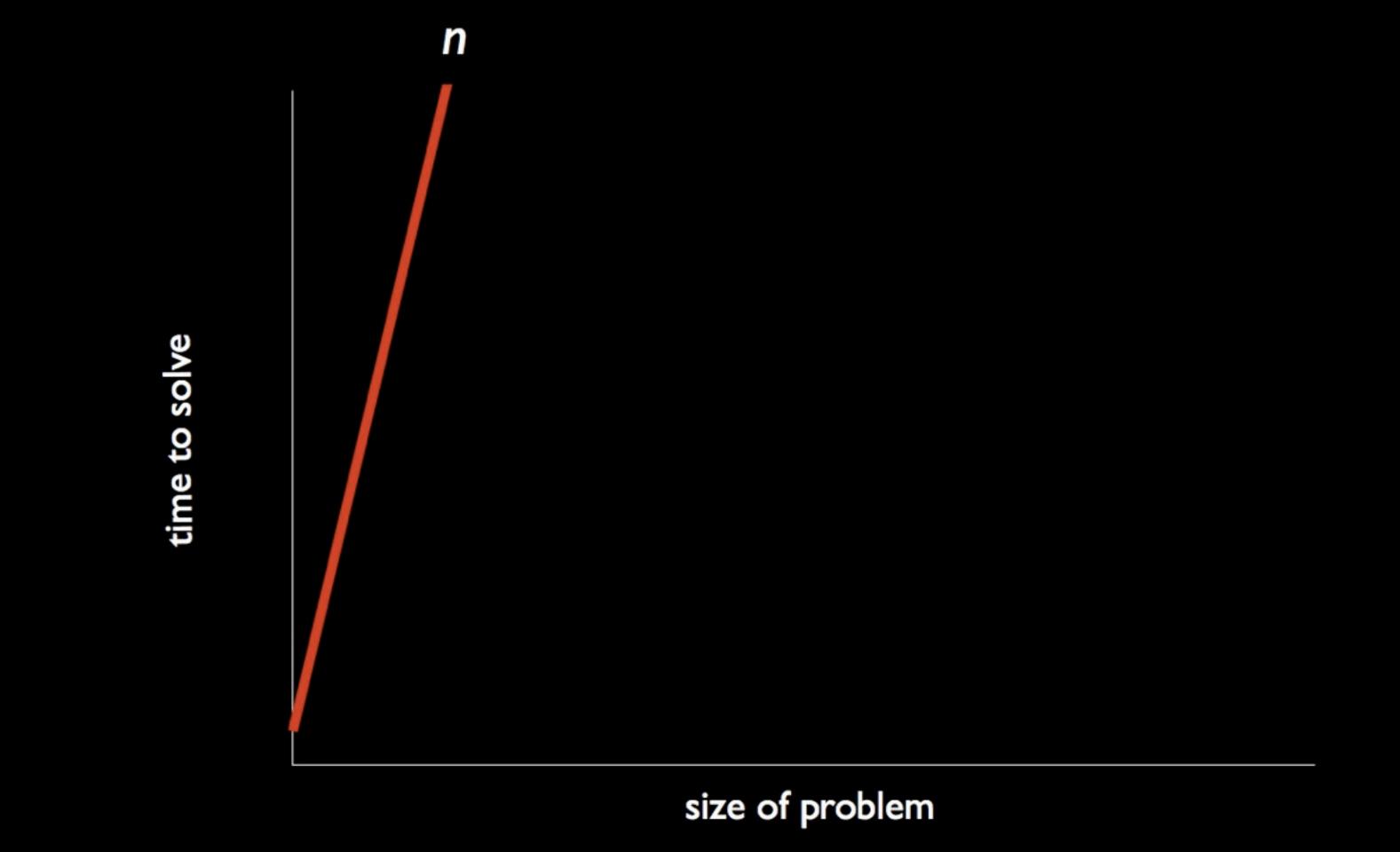
HTML

Algorithms

What chair is everyone sitting in?

- I. Ask the person to your left where he/she is sitting
- 2. If there is no one to your left, say "one"
- 3. Add one to the answer of the person to your left, and say it out loud

How many people are here?



time to solve

- 1. Stand up. You are number 1.
- 2. Pair off with someone standing. Add your numbers together. The sum is your new number.
- 3. One person sits. The other goes to step 2.

time to solve

How do you make a peanut butter and jelly sandwich?

Scratch

Sprites

Stage

Scripts



Statements

say O hai, world!

wait 1 secs

play sound meow

Boolean expressions

touching

mouse-pointer

mouse down?

Combining expressions





Conditions







Loops





Variables

set Socks_on_feet ▼ to 0

Arrays

add thing to inventory

Threads

Events

Mario

Javascript

<script>

say O hai, world!

alert('O hai, world!');

set Socks_on_feet ▼ to 0

var socks on feet = 0;



```
if (socks_on_feet == 2) {
  alert('Done!');
else {
  alert('Keep going!');
```



```
var counter = 0;
while (counter < 10) {
  alert(counter);
  counter = counter + 1;
```

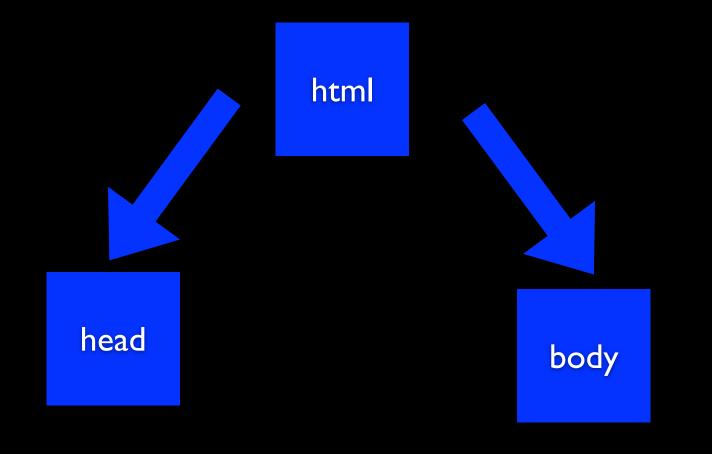
```
var counter = 0;
while (counter < 10) {
  alert(counter);
  counter++;
```

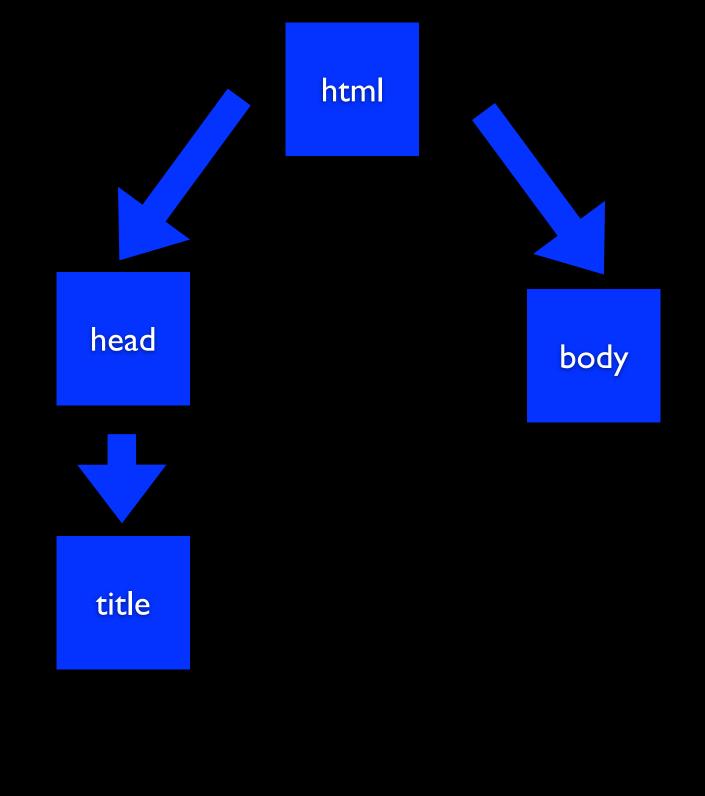
```
for (var i = 0; i < 10; i++) {
    alert(i);
}</pre>
```

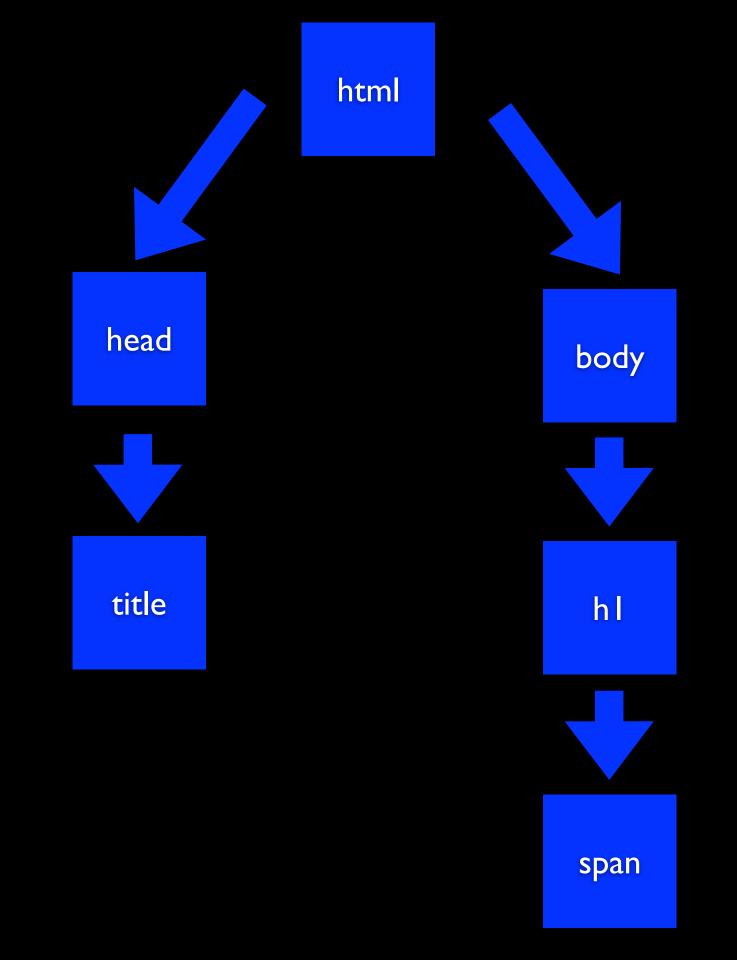
DOM

```
<html>
 <head>
  <title>Web Page</title>
 </head>
 <body>
 <hl><span>A web page!</span></hl>
 </body>
</html>
```

html







document.getElementByld

document.querySelectorAll

Thanks! Ben, R.J., Chris, Dan, Ramon

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