## Computer Science E-I

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?



I. Stand up. You are number I.
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.


## How do you make a peanut butter and jelly sandwich?

## Scratch

## Sprites

## Stage

## Scripts



## Statements



## Boolean expressions

touching mouse-pointer - ?
mouse down?

## Combining expressions




## Conditions





## Loops




Variables

## Arrays



## Threads

## Events

Mario

Javascript

## <script>

## alert('O hai, world!’);

## set socks_on_feet $\sim$ to 0

var socks_on_feet = 0;



## var counter = 0;

 while (counter < I0) \{ alert(counter); counter $=$ counter + I;\}

## var counter $=0$;

 while (counter < I 0) \{ alert(counter); counter++;\}
for (var $\mathrm{i}=0 ; \mathrm{i}<10 ; i++$ ) $\{$ alert(i);
\}

## DOM

<html>
<head>
<title>Web Page</title>
</head>
<body>
<h l><span>A web page!</span></h|>
</body>
</html>



## document.getElementByld

## document.querySelectorAll

Thanks!
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