Announcements
Project 2 is assigned today

Unannounced Quiz 2
Take out a sheet of paper and stow everything else, including phones, CD players, calculators, computers, books, notes ...

Unannounced Quiz 2
Answer All Questions:
1. Give an JavaScript assignment statement that adds 1 to variable y.
2. Write one million as a JavaScript number.
3. What is the result JavaScript expressions:
   a) 5 + 5
   b) '8' + '9'
   c) 1 + '5'

Programming Techniques
The best way to learn programming is to try it

Begin Writing JS
Step 1. Build HTML structure and first command. Check
   * Begin by inputting a number

Result
Forms allow for screen-based input. Forms also provide the means of giving text output … the output window is, curiously, called an "input"

Sample program
Give a number: 
Focus on the Form

The action comes in response to events. When the user enters data and then changes position, there is a change event.

Sample program

Give a number: [Adding 2 to it]

The Big Event

When programming the action for event handlers, always ask, “What do I want to happen on this event?”

• In this case, get the value out of the x1 window, add 2 to it and put the result into the x2 window for display.
  
  $x2.value = x1.value + 2$
  
  or
  
  $onChange="x2.value = x1.value + 2"$

The Result

What happened?

Sample program

Give a number: [Adding 2 to it]

A Tiny Trick

Sample program

Give a number: [Adding 2 to it]

JavaScript Processed 1st

JavaScript is processed while browser is parsing the HTML, i.e. figuring out the command’s structure

Sample program

Ask JavaScript To Write

document.write( ) puts HTML on page

Sample program

<img src="orca.gif">
<script LANGUAGE="JavaScript">
  document.write("<img src="whaleback.gif">")
</script>
Project 2: Exercise

Larry's Memory Bank

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IMPORTANT LINKS:

Four Parts
a) Exercise with Memory Bank
b) Create brown keys
c) Create white pattern
d) Generate pattern & finish

Orange Concentrate

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