**JavaScript and CSS**

**Review: Accessing elements of the DOM**

* What is “the DOM”?
* Referencing objects:
  + Collections in the DOM
    - Accessing a single element
      * By the array index  
        <p id="subtitle">DOM Demo</p>  
        <p>Dog images</p>  
        <img src="dog3.png" id="dogImg">  
        <img src="dog5.png">  
        <script>  
         var number = prompt("Please enter a number from 1 to 5");  
         var dogImage = document.images[0];  
        dogImage.src = "dog" + number + ".png";  
        </script>
      * By the element id  
        var dogImage = document.images.dogImg.src
  + By tag name:  
    var paragraphs = document.getElementsByTagName("p");
  + By element id attribute:  
    var paragraph = document.getElementById("subtitle");

**Changing objects of the DOM**

* Object Properties
  + How are they different from methods?
  + Object properties that correspond to HTML attributes are written in camelCase
    - Properties that are not HTML attributes are written in all lower case
  + Example:  
    dogImage.src = "dog1.png";
* innerHTML property  
  document.getElementById("subtitle").innerHTML = "Hello DOM!";
* outerHTML property  
  document.getElementById("subtitle").outerHTML = "<h2>DOM Example</h2>";
* Event handlers as object properties  
  <script>  
   dogImage.onclick = clickHandler;  
   function clickHandler() {  
   alert("I was clicked!");  
   }  
  </script>
* *this* keyword – represents the object that called the function. In the example above, what would it be? Try this code and see:  
  function clickHander() {  
   alert(this.id + " was clicked!");  
   }

**JavaScript and CSS**

* Inline CSS can be set using the style property. It’s just another property we can set.  
  var paragraphs = document.getElementsByTagName("p");  
  paragraphs.style.color = "blue";
* Reading a CSS inline style:  
  var pColor = paragraphs[0].style.color;  
  var pFontSize = parseInt(paragraphs[0].style.fontSize);
* Selecting HTML objects by CSS selector:  
  var myElements = document.querySelectorAll("p.big");