* DOM means Document Object Model
  + It is the interface between your Javascript and HTML/CSS
* Webpages have a main object called document
  + In the console, you can type document, which would show all the html of the page
  + In the console, if you type console.dir(document), it will show all the javascript objects of the webpage
* To select an element, i.e. h1
  + var h1 = document.querySelector(“h1”);
* Then to manipulate it, i.e. h1
  + h1.style.color = “pink”;
* The basic workflow of DOM is select then manipulate
* Main document methods
  + document.getElementById()
  + document.getElementsByCallName()
  + document.getElementsByTagName()
  + document.querySelector()
    - Only returns the first occurrence of give CSS selector
  + document.querySelectorAll()
    - Works just like querySelector, but returns all occurrences
    - Can be done if there is only one match
* Style
  + var tag = document.getElementById(“highlight”);
    - tag.style.color = “blue”;
    - tag.style.border = “10px solid red”;
    - tag.style.fontSize = “70px”;
    - tag.style.background = “yellow”;
    - tag.style.marginTop = “200px”;
* Separation of Concerns
  + HTML, CSS, and Javascript are responsible for their own domain, and we don’t want too much crossover between them
  + So instead of
    - var tag = document.getElementById(“highlight”);
    - tag.style.color = “blue”;
    - tag.style.border = “10px solid red”;
  + we can
    - In CSS
      * .some-class {
        + color: blue;
        + border: 10px solid red;
      * }
    - In Javascript
      * var tag = document.getElementById(“highlight”);
      * tag.classList.add(“some-class”);
  + in classList there are a few methods
    - add()
    - remove()
    - toggle()
* Change text in a tag with textContent
  + var tag = document.querySelector(“p”);
  + tag.textContent // Retrieve text content
  + tag.textContent = “blah blah blah”; // Alter text content
* innerHTML can be used to find text content with html kept
  + var tag = document.querySelector(“p”);
  + tag.innerHTML
* If you try to set textContent with HTML, it will not treat any HTML in the string as HTML
  + For instance
    - document.body.textContent = <h1>Goodbye</h1>
      * Will not make it a header