# Questions

* How can D3 access and change the DOM? What do select and selectAll do?
  + By using the above mentioned queries (select/selectAll)
  + “select” selects the first element of the chosen type/class from the dom
  + “selectAll” selects all elements of the chosen type/class from the dom
* What are the d and i in function(d){} and function(d, i){}?
  + d is the data/object that accompanies it
  + i is the amount of objects it has iterated over. Think of it as a for-loop system.
* Write sample lines of JavaScript to add a div element with class “barChart1” and to add an svg element with class “barChart2” with square dimensions.
  + d3.select("body").append("div").attr(“class”, “barChart1”)
  + d3.select("body").append("svg").attr.(“width”, 50).attr(“height”, 50)
* Describe append, update, enter, and exit at a high level. What does “selectAll + data + enter + append” refer to?
  + Append adds a new object to the page (inside a list)
  + Update, also called transition, allows objects to transform, changing their appearance/colour etc.
  + Enter creates the initial join of data to elements, creating one circle element for every data element in the array.
  + Exit allows you to remove unneeded objects
  + This refers to >Selecting all objects, adding data to them, entering said data and appending extra objects if there is more data than objects
* What are the main differences between drawing a bar chart with HTML and SVG?
  + SVG is more dynamic, has more functions and possibilities, is easier to manipulate (once you know what you’re doing) and is overall more powerful
* In drawing the simple bar chart with D3 and SVG, what elements were appended, and what parts of the graph did these elements correspond to?
  + Rects where added, these represented the actual bars.
  + A path was added, this represented my x-axis