

1. How can D3 access and change the DOM? What do `select` and `selectAll` do?
2. What are the `d` and `i` in `function(d){}` and `function(d, i){}`?
3. 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.
4. Describe `append`, `update`, `enter`, and `exit` at a high level. What does `"selectAll + data + enter + append"` refer to?
5. What are the main differences between drawing a bar chart with HTML and SVG?
6. 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?

1. D3 can select specific containers with `select` or a whole bunch of containers using `selectAll`. For example `var x = d3.select("body")` will select the body in the html.

2. `d` and `i` are variables in `function(d, i){}`. These are used to make certain properties of an element be determined by other variables.

3. Javascript:

1. `d3.select("body")`
2. `.append("div")`
3. `.attr("class", "barChart1")`
4. `.attr("width", "500px")`
5. `.attr("height", "500px")`
- 6.
7. `d3.select("body")`
8. `.append("svg")`
9. `.attr("class", "barChart2")`
10. `.attr("width", "500px")`
11. `.attr("height", "500px")`

4. `Append` adds a new container (tag?) to the html. `Update`. `Enter()` joins data into elements.

5. A bar chart in HTML is more hard-coded than in SVG. The name implies that the graphic can be scaled.

6. Rectangles and text were appended. These were appended for each data value in the data list.