

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 accesses the DOM by selecting elements in the DOM by type, class, or id. To do so, use the `select` and `selectAll` functions. `selectAll` will select all elements with the asked characteristics (e.g. `selectAll("p")` selects all `<p>` elements).
2. Arguments for an anonymous function.
3. `div.select(".barChart1")`

`.append("rect")`

`.attr("width", 20)`

`.attr("height", 20)`

4. `append` appends a new element. `Update`, `enter` and `exit` are ways to move through a data file (probably generating a new graph element with `append`)
5. SVG looks nicer and is more dynamic.
6. Rects were appended as bars, and `g`'s were appended as axes.