

1. D3 accesses the dom via Javascript. Select selects the first element with the tag you provided. SelectAll selects all the elements with the tag you provided.
2. The d is an argument you give to the function. It could be anything you like, but the convention is to use d. The i is a counter. The first round i = 0, the second round i = 1 ect., the letter i is also a convention, it could be anything as long as it is the second argument.
3. var dimension = 4 // you can choose any value you want
D3.select("body").append("div").
attr("class","barchart1").append("svg").attr("class","barchart1").attr("width","dimension").attr("height","dimension");
4. append adds an element on a location that you provide. Enter adds elements to match with your data, exit does the opposite, if you have too much elements to match your data it will destroy them. Update can handle changes in your data.
5. Html can only make rectangular shapes while svg can have more complex shapes
6. In making the bar chart, "g" elements are appended to the svg file. To those "g" elements, "rect" elements are appended which represent the bars. Also "text" elements are appended to represent the text.