

1. It selects the different elements in the document tree and accesses its values by functions. Select is selecting the first element in the dom and select all is selecting all elements with the given name
2. d represents the data and i represents the index of the data in an array
3.

```
d3.select("body").append("div")  
  
    .attr("class", "barChart1");  
  
d3.select("body").append("svg")  
  
    .attr("width", 960)  
  
    .attr("height",500)  
  
    .attr("class","barChart2");
```
4. Append is appending an element to the existing dom structure

enter is creating dom nodes for abundant data if they dont already exist

update updates an existing element with new data and or attributes

exit is removing elements without data from the dom structure

selectAll, data, enter and append are referring to the dom representation of the document
5. While HTML can be seen as a painting that is not changeable anymore SVG represents a guide on how to paint something, so when the attributes are changing svg can react to that while html cant.
6. All divs have been entered and were appended, each div is corresponding to one bar in the bar chart.