1.
With functions like select and selectAll. The function append can for instance append an element to a selection. Select and selectAll selects certain elements in the DOM.

2.
d is data, i is the number of the current data element (like i in a for-loop)

3.
var selection = select("div.barChart1")
selection.append("svg")
        .attr("class", "barChart2")
        .attr("width", 200)
        .attr("height", 200)

4.
append: appends an element to a certain selected element
update: update elements to match changes in dataset
enter: creates elements every data element in dataset
exit: removes elements no longer needed when dataset has changed (for instance became shorter)

"selectAll + data + enter + append" refers to an action where first all elements in the DOM of a specific type are selected, then data is inserted, then a new element is created for every data element and lastly those elements are inserted ("appended") into the DOM

5.
- HTML needs more 'handwork', it takes longer to make
- with SVG the elements are not pixel based but vector based, so for instance you could zoom in infinitely and the image stays sharp

6. divs are appended, and they correspond to the bars