

## Questions D3 Tom Schoufour

1. D3 can access and change the DOM of elements with a certain selector by using the `selectAll("element")` function.  
The select function will select the first DOM of an element
2. Both are parameters/conventions and can contain data. They could be called anything
3. 

```
: var div = document.createElement("div");  
: var.ClassName = 'Barchart1';
```

```
:var svg =" http://www.w3.org/2000/svg";  
var rect = document.createElementNS(svgns, 'rect');  
rect.setAttributeNS(null, 'x', x);  
rect.setAttributeNS(null, 'y', y);  
rect.setAttributeNS(null, 'height', '5');  
rect.setAttributeNS(null, 'width', '5');
```

4. Append takes an argument of the type of element that it creates  
Update updates an element  
Enter prepares element(s) for data item(s) to match with  
Exit selects items in dataset that are not matches with an element  
select selectAll is used to select specific elements in the DOM and enter append is used to match data from a dataset to certain elements that you selected.
5. SVG elements must be positioned with hard-coded translations relative to the origin point of the element, while with HTML the div elements are positioned with flow layout.
6. The element g was appended, containing a rect and text for each data point. These corresponded to a bar in the bargraph.