

```

1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8"/>
5      <meta name="description" content="Data Visualisation"/>
6      <meta name="keywords" content="HTML, CSS, D3"/>
7      <meta name="author" content="Anh Khoa"/>
8
9      <title>Task 2.2 D3 Drawing with Data - Bar Chart</title>
10
11      <script src="https://d3js.org/d3.v7.min.js"></script>
12
13    </head>
14
15    <body>
16      <h1>The D3 Journey starts here...</h1>
17
18      <script>
19        var w = 500;
20        var h = 150;
21        var padding = 1;
22
23        var dataset = [14,5,26,23,9,12,18,25];
24
25        var svg = d3.select("body")
26          .append("svg")
27          .attr("width", w)
28          .attr("height", h)
29
30        var barWidth = w / dataset.length - padding;
31
32        svg.selectAll("rect")
33          .data(dataset)
34          .enter()
35          .append("rect")
36          .attr("x", function(d, i){
37            return i * (w/dataset.length)
38          })
39          .attr("y", function(d){
40            return h-d*4;
41          })
42          .attr("width", barWidth)
43          .attr("height", function(d){
44            return d * 4;
45          })
46          .attr("fill", "green");
47
48        /* Create the labels*/
49        svg.selectAll("text")
50          .data(dataset)
51          .enter()
52          .append("text")
53          .text(d => d)
54          .attr("x", (d, i) => i * (w / dataset.length) + barWidth / 2)
55          .attr("y", d => h - d * 4 - 5)
56          .attr("text-anchor", "middle")
57          .attr("font-size", "12px")
58          .attr("fill", "black");
59      </script>
60
61      <br>
62      <bf>
63        <footer style="color: grey">COS30045 Data Visualisation<br>
64          Joe Bloggs</footer>
65    </body>
66  </html>

```