

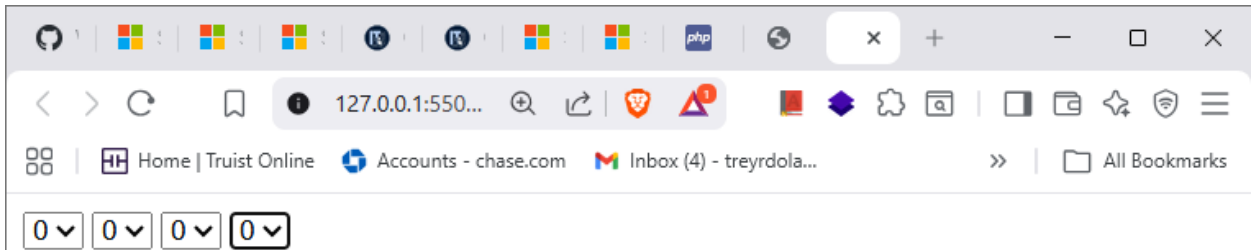
1.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Makebars</title>
7 </head>
8 <body>
9 |
10 </body>
11 </html>
```

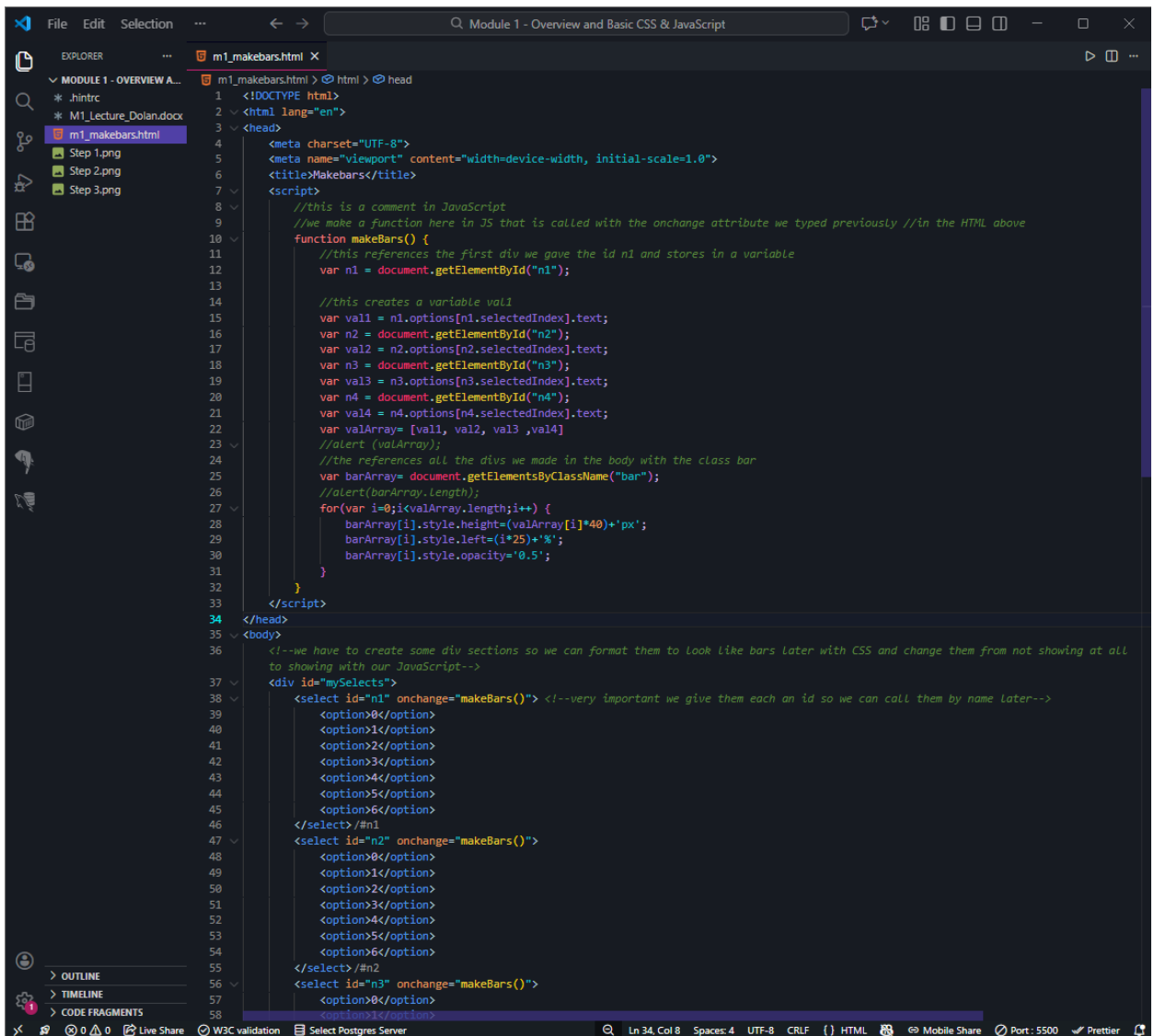
2.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Makebars</title>
7 </head>
8 <body>
9   <!-- we have to create some div sections so we can format them to look like bars later with CSS and change them from not showing at all to showing with our JavaScript -->
10  <div id="mySelects">
11    <select id="n1" onchange="makeBars()"> <!-- very important we give them each an id so we can call them by name later -->
12      <option>0</option>
13      <option>1</option>
14      <option>2</option>
15      <option>3</option>
16      <option>4</option>
17      <option>5</option>
18      <option>6</option>
19    </select> /#n1
20    <select id="n2" onchange="makeBars()">
21      <option>0</option>
22      <option>1</option>
23      <option>2</option>
24      <option>3</option>
25      <option>4</option>
26      <option>5</option>
27      <option>6</option>
28    </select> /#n2
29    <select id="n3" onchange="makeBars()">
30      <option>0</option>
31      <option>1</option>
32      <option>2</option>
33      <option>3</option>
34      <option>4</option>
35      <option>5</option>
36      <option>6</option>
37    </select> /#n3
38    <select id="n4" onchange="makeBars()">
39      <option>0</option>
40      <option>1</option>
41      <option>2</option>
42      <option>3</option>
43      <option>4</option>
44      <option>5</option>
45      <option>6</option>
46    </select> /#n4
47  </div> /#mySelects
48  <div id="myChart">
49    <div class="bar"></div>
50    <div class="bar"></div>
51    <div class="bar"></div>
52    <div class="bar"></div>
53  </div> /#myChart
54 </body>
55 </html>
```

3.

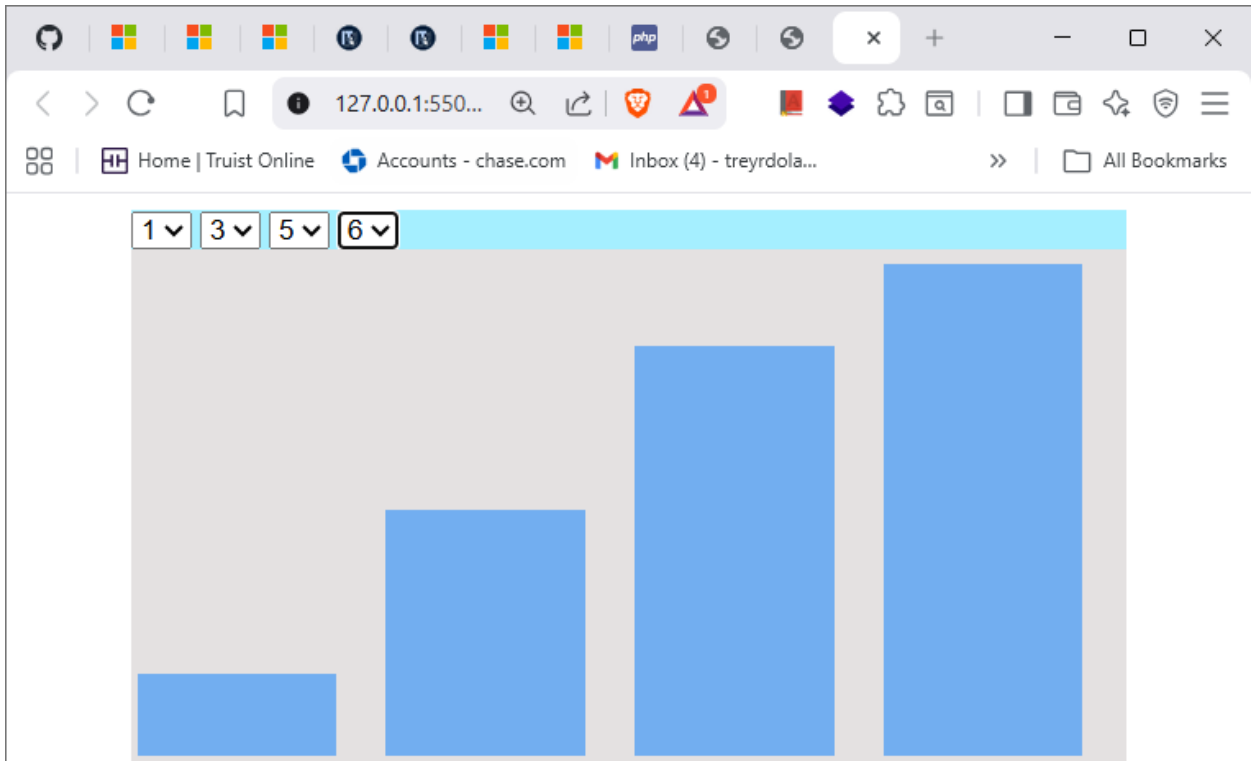


4.



```
File Edit Selection ... Module 1 - Overview and Basic CSS & JavaScript
EXPLORER
  MODULE 1 - OVERVIEW A...
    .hintrc
    M1_Lecture_Dolan.docx
    m1_makebars.html
    Step 1.png
    Step 2.png
    Step 3.png
    Step 4.png
  m1_makebars.html
    m1_makebars.html > html > head > style
      1 <!DOCTYPE html>
      2 <html lang="en">
      3 <head>
      4   <meta charset="UTF-8">
      5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
      6   <title>Makebars</title>
      7   <style>
      8
      9   /*We start by formatting the divs with the class bar*/
      10   .bar {
      11     width:20%;
      12     height:0px;
      13     background-color: #007BFF;
      14     margin:3px;
      15     position:absolute;
      16     bottom:0px;
      17     opacity: 0;
      18   }
      19
      20   /*Next we format the outer div with the id mySelects*/
      21   #mySelects {
      22     position:relative;
      23     width:80vw;
      24     background-color: #A5EFFF;
      25     margin:0 auto;
      26   }
      27
      28   /*Now we format the div with the id myChart*/
      29   #myChart {
      30     position:relative;
      31     width:80vw;
      32     height:250px;
      33     background-color: #E4E1E1;
      34     margin:0 auto;
      35   }
      36 </style>
      37 <script>
      38   //this is a comment in JavaScript
      39   //we make a function here in JS that is called with the onchange attribute we typed previously //in the HTML above
      40   function makeBars() {
      41     //this references the first div we gave the id n1 and stores in a variable
      42     var n1 = document.getElementById("n1");
      43
      44     //this creates a variable val1
      45     var val1 = n1.options[n1.selectedIndex].text;
      46     var n2 = document.getElementById("n2");
      47     var val2 = n2.options[n2.selectedIndex].text;
      48     var n3 = document.getElementById("n3");
      49     var val3 = n3.options[n3.selectedIndex].text;
      50     var n4 = document.getElementById("n4");
      51     var val4 = n4.options[n4.selectedIndex].text;
      52     var valArray= [val1, val2, val3, val4]
      53     //alert (valArray);
      54     //the references all the divs we made in the body with the class bar
      55     var barArray= document.getElementsByClassName("bar");
      56     //alert(barArray.length);
      57     for(var i=0;i<valArray.length;i++) {
      58       barArray[i].style.height=(valArray[i]*40)+'px';
      59       barArray[i].style.left=(i*25)+'%';
      60     }
      61   }
      62 </script>
    OUTLINE
    TIMELINE
    CODE FRAGMENTS
  W3C validation Select Postgres Server Ln 36, Col 13 Spaces: 4 UTF-8 CRLF HTML Mobile Share Port: 5500 Prettier
```

5.



6.

```

m1_makebars.html X
m1_makebars.html > html > head > style > .bar
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Makebars</title>
7      <style>
8
9          /*We start by formatting the divs with the class bar*/
10         .bar {
11             width:20%;
12             height:0px;
13             background-color: #007BFF;
14             margin:3px;
15             position:absolute;
16             bottom:0px;
17             opacity: 0;
18             transition: all 1s;
19         }
20     </style>

```

7.

```
File Edit Selection ... Module 1 - Overview and Basic CSS & JavaScript
EXPLORER m1_makebars.html X Extension: Polacode Extension: Code Screenshot
MODULE 1 - OVERVIEW A... m1_makebars.html > html > body > div#mySelects > select#n4 > option
* .hintrc
* M1_Lecture_Dolan.docx
m1_makebars.html
Step 1.png
Step 2.png
Step 3.png
Step 4.png
Step 5.png
Step 6.png
Step 7.png
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Makebars</title>
7 <style>
8
9 /*We start by formatting the divs with the class bar*/
10
11 .bar {
12     width:20%;
13     height:0px;
14     background-color: #007BFF;
15     margin:3px;
16     position:absolute;
17     bottom:0px;
18     opacity: 0;
19     transition: all 1s;
20 }
21
22 /*Next we format the outer div with the id mySelects*/
23 #mySelects {
24     position:relative;
25     width:80vw;
26     background-color: #A5EFFF;
27     margin:0 auto;
28 }
29
30 /*Now we format the div with the id myChart*/
31 #myChart {
32     position:relative;
33     width:80vw;
34     height:250px;
35     background-color: #E4E1E1;
36     margin:0 auto;
37 }
38 </style>
39 <script>
40 //this is a comment in JavaScript
41 //we make a function here in JS that is called with the onchange attribute we typed previously //in the HTML above
42 function makeBars() {
43     //this references the first div we gave the id n1 and stores in a variable
44     var n1 = document.getElementById("n1");
45
46     //this creates a variable val1
47     var val1 = n1.options[n1.selectedIndex].text;
48     var n2 = document.getElementById("n2");
49     var val2 = n2.options[n2.selectedIndex].text;
50     var n3 = document.getElementById("n3");
51     var val3 = n3.options[n3.selectedIndex].text;
52     var n4 = document.getElementById("n4");
53     var val4 = n4.options[n4.selectedIndex].text;
54     var valArray= [val1, val2, val3 ,val4]
55     //alert (valArray);
56     //the references all the divs we made in the body with the class bar
57     var barArray= document.getElementsByClassName("bar");
58     //alert(barArray.length);
59     for(var i=0;i<valArray.length;i++) {
60         barArray[i].style.height=(valArray[i]*40)+'px';
61     }
62 }
```

8.

```
File Edit Selection ... Module 1 - Overview and Basic CSS & JavaScript
EXPLORER
  MODULE 1 - OVERVIEW A...
    *.htmc
    *.M1Lecture_Dolan.docx
    m1_makebars.html
      Step 1.png
      Step 2.png
      Step 3.png
      Step 4.png
      Step 5.png
      Step 6.png
      Step 7.png
      Step 8_1.png
  m1_makebars.html
    1 <html lang="en">
    2 <head>
    3 <script>
    4
    5     function makeBars() {
    6
    7         var val3 = n3.options[n3.selectedIndex].text;
    8         var n4 = document.getElementById("n4");
    9         var val4 = n4.options[n4.selectedIndex].text;
   10         var valArray = [val1, val2, val3, val4]
   11         //alert (valArray);
   12         //the references all the divs we made in the body with the class bar
   13         var barArray = document.getElementsByClassName("bar");
   14         //alert(barArray.length);
   15         for(var i=0; i<barArray.length; i++) {
   16             barArray[i].style.height=(valArray[i]*40)+'px';
   17             barArray[i].style.left=(1*25)+'%';
   18             barArray[i].style.opacity='0.5';
   19         }
   20     }
   21 </script>
   22 </head>
   23 <body>
   24     <!--we have to create some div sections so we can format them to look like bars later with CSS and change them from not showing to showing with our JavaScript-->
   25     <div id="mySelects">
   26         <select id="n1" onchange="makeBars()"> <!--very important we give them each an id so we can call them by name later-->
   27             <option0</option>
   28             <option1</option>
   29             <option2</option>
   30             <option3</option>
   31             <option4</option>
   32             <option5</option>
   33             <option6</option>
   34         </select> /#n1
   35         <select id="n2" onchange="makeBars()">
   36             <option0</option>
   37             <option1</option>
   38             <option2</option>
   39             <option3</option>
   40             <option4</option>
   41             <option5</option>
   42             <option6</option>
   43         </select> /#n2
   44         <select id="n3" onchange="makeBars()">
   45             <option0</option>
   46             <option1</option>
   47             <option2</option>
   48             <option3</option>
   49             <option4</option>
   50             <option5</option>
   51             <option6</option>
   52         </select> /#n3
   53         <select id="n4" onchange="makeBars()">
   54             <option0</option>
   55             <option1</option>
   56             <option2</option>
   57             <option3</option>
   58             <option4</option>
   59             <option5</option>
   60             <option6</option>
   61         </select> /#n4
   62     </div> /mySelects
   63     <div id="myChart">
   64         <div class="bar"></div>
   65         <div class="bar"></div>
   66         <div class="bar"></div>
   67         <div class="bar"></div>
   68     </div> /myChart
   69 </body>
   70 </html>
  9.
  W3C validation Select Postgres Server Ln 100, Col 31 Spaces: 4 UTF-8 CRLF {} HTML Mobile Share Port: 5500 Prettier
```