

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates HTML -->
4
5  <html lang="en">
6      <head>
7          <title>hello</title>
8      </head>
9      <body>
10         hello, world
11     </body>
12 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates headings (for chapters, sections, subsections, etc.) -->
4
5  <html lang="en">
6
7      <head>
8          <title>headings</title>
9      </head>
10
11     <body>
12
13         <h1>One</h1>
14         <p>
15             Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus convallis scelerisque quam, vel
16             hendrerit lectus viverra eu. Praesent posuere eget lectus ut faucibus. Etiam eu velit laoreet, gravida lorem in,
17             viverra est. Cras ut purus neque. In porttitor non lorem id lobortis. Mauris gravida metus libero, quis maximus dui
18             porta at. Donec lacinia felis consectetur venenatis scelerisque. Nulla eu nisl sollicitudin, varius velit sit amet,
19             vehicula erat. Curabitur sollicitudin felis sit amet orci mattis, a tempus nulla pulvinar. Aliquam erat volutpat.
20             </p>
21
22             <h2>Two</h2>
23             <p>
24                 Mauris ut dui in eros semper hendrerit. Morbi vel elit mi. Sed sit amet ex non quam dignissim
25                 dignissim et vel arcu. Pellentesque eget elementum orci. Morbi ac cursus ex. Pellentesque quis turpis blandit orci
26                 dapibus semper sed non nunc. Nulla et dolor nec lacus finibus volutpat. Sed non lorem diam. Donec feugiat interdum
27                 interdum. Vivamus et justo in enim blandit fermentum vel at elit. Phasellus eu ante vitae ligula varius aliquet. Etiam
28                 id posuere nibh.
29                 </p>
30
31                 <h3>Three</h3>
32                 <p>
33                     Aenean venenatis convallis ante a rhoncus. Nullam in metus vel diam vehicula tincidunt. Donec lacinia
34                     metus sem, sit amet egestas elit blandit sit amet. Nunc egestas sem quis nisl mattis semper. Pellentesque ut magna
35                     congue lorem eleifend sodales. Donec tortor tortor, aliquam vitae mollis sed, interdum ut lectus. Mauris non purus
36                     quis ipsum lacinia tincidunt.
37                     </p>
38
39                     <h4>Four</h4>
40                     <p>
41                         Integer at justo lacinia libero blandit aliquam ut ut dui. Quisque tincidunt facilisis venenatis.
42                         Nullam dictum odio quis lorem luctus, vel malesuada dolor luctus. Aenean placerat faucibus enim a facilisis. Maecenas
```

eleifend quis massa sed eleifend. Ut ultricies, dui ac vulputate hendrerit, ex metus iaculis diam, vitae fermentum libero dui et ante. Phasellus suscipit, arcu ut consequat sagittis, massa urna accumsan massa, eu aliquet nulla lorem vitae arcu. Pellentesque rutrum felis et metus porta semper. Nam ac consectetur mauris.

31           </p>

32

33           <h5>Five</h5>

34           <p>

35           Suspendisse rutrum vestibulum odio, sed venenatis purus condimentum sed. Morbi ornare tincidunt augue eu auctor. Vivamus sagittis ac lectus at aliquet. Nulla urna mauris, interdum non nibh in, vehicula porta enim. Donec et posuere sapien. Pellentesque ultrices scelerisque ipsum, vel fermentum nibh tincidunt et. Proin gravida porta ipsum nec scelerisque. Vestibulum fringilla erat at turpis laoreet, nec hendrerit nisi scelerisque.

36           </p>

37

38           <h6>Six</h6>

39           <p>

40           Sed quis malesuada mi. Nam id purus quis augue sagittis pharetra. Nulla facilisi. Maecenas vel fringilla ante. Cras tristique, arcu sit amet blandit auctor, urna elit ultricies lacus, a malesuada eros dui id massa. Aliquam sem odio, pretium vel cursus eget, scelerisque at urna. Vestibulum posuere a turpis consectetur. Cras consequat, risus quis tempor egestas, nulla ipsum ornare erat, nec accumsan nibh lorem nec risus. Integer at iaculis lacus. Integer congue nunc massa, quis molestie felis pellentesque vestibulum. Nulla odio tortor, aliquam nec quam in, ornare aliquet sapien.

41           </p>

42

43           </body>

44

45           </html>

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates (unordered) lists -->
4
5  <html lang="en">
6      <head>
7          <title>list</title>
8      </head>
9      <body>
10         <ul>
11             <li>foo</li>
12             <li>bar</li>
13             <li>baz</li>
14         </ul>
15     </body>
16 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates table -->
4
5  <html lang="en">
6    <head>
7      <title>table</title>
8    </head>
9    <body>
10     <table>
11       <tr>
12         <td>1</td>
13         <td>2</td>
14         <td>3</td>
15       </tr>
16       <tr>
17         <td>4</td>
18         <td>5</td>
19         <td>6</td>
20       </tr>
21       <tr>
22         <td>7</td>
23         <td>8</td>
24         <td>9</td>
25       </tr>
26       <tr>
27         <td>*</td>
28         <td>0</td>
29         <td>#</td>
30       </tr>
31     </table>
32   </body>
33 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates image -->
4
5  <html lang="en">
6    <head>
7      <title>image</title>
8    </head>
9    <body>
10      <!-- https://images.hollis.harvard.edu/permalink/f/100kie6/HVD_VIAolvwork671391 -->
11      
12    </body>
13  </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates link -->
4
5  <html lang="en">
6      <head>
7          <title>link</title>
8      </head>
9      <body>
10         Visit <a href="image.html">Harvard</a>.
11     </body>
12 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates responsive design -->
4
5  <html lang="en">
6      <head>
7          <meta name="viewport" content="initial-scale=1, width=device-width">
8          <title>responsive</title>
9      </head>
10     <body>
11         Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus convallis scelerisque quam, vel
hendrerit lectus viverra eu. Praesent posuere eget lectus ut faucibus. Etiam eu velit laoreet, gravida lorem in,
viverra est. Cras ut purus neque. In porttitor non lorem id lobortis. Mauris gravida metus libero, quis maximus dui
porta at. Donec lacinia felis consectetur venenatis scelerisque. Nulla eu nisl sollicitudin, varius velit sit amet,
vehicula erat. Curabitur sollicitudin felis sit amet orci mattis, a tempus nulla pulvinar. Aliquam erat volutpat.
12     </body>
13 </html>
```



```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates action -->
4
5  <html lang="en">
6    <head>
7      <title>search</title>
8    </head>
9    <body>
10     <form action="https://www.google.com/search" method="get">
11       <input name="q" type="search">
12       <input type="submit" value="Search">
13     </form>
14   </body>
15 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates inline CSS -->
4
5  <html lang="en">
6    <head>
7      <title>css</title>
8    </head>
9    <body>
10     <header style="font-size: large; text-align: center;">
11       John Harvard
12     </header>
13     <main style="font-size: medium; text-align: center;">
14       Welcome to my home page!
15     </main>
16     <footer style="font-size: small; text-align: center;">
17       Copyright &#169; John Harvard
18     </footer>
19   </body>
20 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates inheritance -->
4
5  <html lang="en">
6    <head>
7      <title>css</title>
8    </head>
9    <body style="text-align: center;">
10      <header style="font-size: large;">
11        John Harvard
12      </header>
13      <main style="font-size: medium;">
14        Welcome to my home page!
15      </main>
16      <footer style="font-size: small;">
17        Copyright &#169; John Harvard
18      </footer>
19    </body>
20  </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates CSS selectors -->
4
5  <html lang="en">
6    <head>
7      <style>
8
9        header
10       {
11         font-size: large;
12         text-align: center;
13       }
14
15       main
16       {
17         font-size: medium;
18         text-align: center;
19       }
20
21       footer
22       {
23         font-size: small;
24         text-align: center;
25       }
26
27     </style>
28     <title>css</title>
29   </head>
30   <body>
31     <header>
32       John Harvard
33     </header>
34     <main>
35       Welcome to my home page!
36     </main>
37     <footer>
38       Copyright &#169; John Harvard
39     </footer>
40   </body>
41 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates CSS selectors -->
4
5  <html lang="en">
6    <head>
7      <style>
8
9        body
10       {
11         text-align: center;
12       }
13
14       header
15       {
16         font-size: large;
17       }
18
19       main
20       {
21         font-size: medium;
22       }
23
24       footer
25       {
26         font-size: small;
27       }
28
29     </style>
30     <title>css</title>
31   </head>
32   <body>
33     <header>
34       John Harvard
35     </header>
36     <main>
37       Welcome to my home page!
38     </main>
39     <footer>
40       Copyright &#169; John Harvard
41     </footer>
```

---

```
42     </body>
43 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates CSS classes -->
4
5  <html lang="en">
6    <head>
7      <style>
8
9        .centered
10       {
11         text-align: center;
12       }
13
14       .large
15       {
16         font-size: large;
17       }
18
19       .medium
20       {
21         font-size: medium;
22       }
23
24       .small
25       {
26         font-size: small;
27       }
28
29     </style>
30     <title>css</title>
31   </head>
32   <body class="centered">
33     <header class="large">
34       John Harvard
35     </header>
36     <main class="medium">
37       Welcome to my home page!
38     </main>
39     <footer class="small">
40       Copyright &#169; John Harvard
41     </footer>
```

---

```
42     </body>
43 </html>
```



```
1  .centered
2  {
3      text-align: center;
4  }
5
6  .large
7  {
8      font-size: large;
9  }
10
11 .medium
12 {
13     font-size: medium;
14 }
15
16 .small
17 {
18     font-size: small;
19 }
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates external stylesheets -->
4
5  <html lang="en">
6    <head>
7      <link href="css4.css" rel="stylesheet">
8      <title>css</title>
9    </head>
10   <body>
11     <header class="large">
12       John Harvard
13     </header>
14     <main class="medium">
15       Welcome to my home page!
16     </main>
17     <footer class="small">
18       Copyright &#169; John Harvard
19     </footer>
20   </body>
21 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates paragraphs -->
4
5  <html lang="en">
6    <head>
7      <style>
8
9        #first
10       {
11         font-size: larger;
12       }
13
14     </style>
15     <title>paragraphs</title>
16   </head>
17   <body>
18     <p id="first">
19       Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus convallis scelerisque quam, vel
20       hendrerit lectus viverra eu. Praesent posuere eget lectus ut faucibus. Etiam eu velit laoreet, gravida lorem in,
21       viverra est. Cras ut purus neque. In porttitor non lorem id lobortis. Mauris gravida metus libero, quis maximus dui
22       porta at. Donec lacinia felis consectetur venenatis scelerisque. Nulla eu nisl sollicitudin, varius velit sit amet,
23       vehicula erat. Curabitur sollicitudin felis sit amet orci mattis, a tempus nulla pulvinar. Aliquam erat volutpat.
24     </p>
25     <p>
26       Mauris ut dui in eros semper hendrerit. Morbi vel elit mi. Sed sit amet ex non quam dignissim
27       dignissim et vel arcu. Pellentesque eget elementum orci. Morbi ac cursus ex. Pellentesque quis turpis blandit orci
28       dapibus semper sed non nunc. Nulla et dolor nec lacus finibus volutpat. Sed non lorem diam. Donec feugiat interdum
29       interdum. Vivamus et justo in enim blandit fermentum vel at elit. Phasellus eu ante vitae ligula varius aliquet. Etiam
30       id posuere nibh.
31     </p>
32     <p>
33       Aenean venenatis convallis ante a rhoncus. Nullam in metus vel diam vehicula tincidunt. Donec lacinia
34       metus sem, sit amet egestas elit blandit sit amet. Nunc egestas sem quis nisl mattis semper. Pellentesque ut magna
35       congue lorem eleifend sodales. Donec tortor tortor, aliquam vitae mollis sed, interdum ut lectus. Mauris non purus
36       quis ipsum lacinia tincidunt.
37     </p>
38     <p>
39       Integer at justo lacinia libero blandit aliquam ut ut dui. Quisque tincidunt facilisis venenatis.
40       Nullam dictum odio quis lorem luctus, vel malesuada dolor luctus. Aenean placerat faucibus enim a facilisis. Maecenas
41       eleifend quis massa sed eleifend. Ut ultricies, dui ac vulputate hendrerit, ex metus iaculis diam, vitae fermentum
42       libero dui et ante. Phasellus suscipit, arcu ut consequat sagittis, massa urna accumsan massa, eu aliquet nulla lorem
```

vitae arcu. Pellentesque rutrum felis et metus porta semper. Nam ac consectetur mauris.

29           </p>

30           <p>

31           Suspendisse rutrum vestibulum odio, sed venenatis purus condimentum sed. Morbi ornare tincidunt augue eu auctor. Vivamus sagittis ac lectus at aliquet. Nulla urna mauris, interdum non nibh in, vehicula porta enim. Donec et posuere sapien. Pellentesque ultrices scelerisque ipsum, vel fermentum nibh tincidunt et. Proin gravida porta ipsum nec scelerisque. Vestibulum fringilla erat at turpis laoreet, nec hendrerit nisi scelerisque.

32           </p>

33           <p>

34           Sed quis malesuada mi. Nam id purus quis augue sagittis pharetra. Nulla facilisi. Maecenas vel fringilla ante. Cras tristique, arcu sit amet blandit auctor, urna elit ultricies lacus, a malesuada eros dui id massa. Aliquam sem odio, pretium vel cursus eget, scelerisque at urna. Vestibulum posuere a turpis consectetur. Cras consequat, risus quis tempor egestas, nulla ipsum ornare erat, nec accumsan nibh lorem nec risus. Integer at iaculis lacus. Integer congue nunc massa, quis molestie felis pellentesque vestibulum. Nulla odio tortor, aliquam nec quam in, ornare aliquet sapien.

35           </p>

36           </body>

37   </html>

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates paragraphs -->
4
5  <html lang="en">
6    <head>
7      <style>
8
9        p:first-child
10       {
11         font-size: larger;
12       }
13
14     </style>
15     <title>paragraphs</title>
16   </head>
17   <body>
18     <p>
19       Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus convallis scelerisque quam, vel
20       hendrerit lectus viverra eu. Praesent posuere eget lectus ut faucibus. Etiam eu velit laoreet, gravida lorem in,
21       viverra est. Cras ut purus neque. In porttitor non lorem id lobortis. Mauris gravida metus libero, quis maximus dui
22       porta at. Donec lacinia felis consectetur venenatis scelerisque. Nulla eu nisl sollicitudin, varius velit sit amet,
23       vehicula erat. Curabitur sollicitudin felis sit amet orci mattis, a tempus nulla pulvinar. Aliquam erat volutpat.
24     </p>
25     <p>
26       Mauris ut dui in eros semper hendrerit. Morbi vel elit mi. Sed sit amet ex non quam dignissim
27       dignissim et vel arcu. Pellentesque eget elementum orci. Morbi ac cursus ex. Pellentesque quis turpis blandit orci
28       dapibus semper sed non nunc. Nulla et dolor nec lacus finibus volutpat. Sed non lorem diam. Donec feugiat interdum
29       interdum. Vivamus et justo in enim blandit fermentum vel at elit. Phasellus eu ante vitae ligula varius aliquet. Etiam
30       id posuere nibh.
31     </p>
32     <p>
33       Aenean venenatis convallis ante a rhoncus. Nullam in metus vel diam vehicula tincidunt. Donec lacinia
34       metus sem, sit amet egestas elit blandit sit amet. Nunc egestas sem quis nisl mattis semper. Pellentesque ut magna
35       congue lorem eleifend sodales. Donec tortor tortor, aliquam vitae mollis sed, interdum ut lectus. Mauris non purus
36       quis ipsum lacinia tincidunt.
37     </p>
38     <p>
39       Integer at justo lacinia libero blandit aliquam ut ut dui. Quisque tincidunt facilisis venenatis.
40       Nullam dictum odio quis lorem luctus, vel malesuada dolor luctus. Aenean placerat faucibus enim a facilisis. Maecenas
41       eleifend quis massa sed eleifend. Ut ultricies, dui ac vulputate hendrerit, ex metus iaculis diam, vitae fermentum
42       libero dui et ante. Phasellus suscipit, arcu ut consequat sagittis, massa urna accumsan massa, eu aliquet nulla lorem
```

vitae arcu. Pellentesque rutrum felis et metus porta semper. Nam ac consectetur mauris.

29           </p>

30           <p>

31           Suspendisse rutrum vestibulum odio, sed venenatis purus condimentum sed. Morbi ornare tincidunt augue eu auctor. Vivamus sagittis ac lectus at aliquet. Nulla urna mauris, interdum non nibh in, vehicula porta enim. Donec et posuere sapien. Pellentesque ultrices scelerisque ipsum, vel fermentum nibh tincidunt et. Proin gravida porta ipsum nec scelerisque. Vestibulum fringilla erat at turpis laoreet, nec hendrerit nisi scelerisque.

32           </p>

33           <p>

34           Sed quis malesuada mi. Nam id purus quis augue sagittis pharetra. Nulla facilisi. Maecenas vel fringilla ante. Cras tristique, arcu sit amet blandit auctor, urna elit ultricies lacus, a malesuada eros dui id massa. Aliquam sem odio, pretium vel cursus eget, scelerisque at urna. Vestibulum posuere a turpis consectetur. Cras consequat, risus quis tempor egestas, nulla ipsum ornare erat, nec accumsan nibh lorem nec risus. Integer at iaculis lacus. Integer congue nunc massa, quis molestie felis pellentesque vestibulum. Nulla odio tortor, aliquam nec quam in, ornare aliquet sapien.

35           </p>

36           </body>

37   </html>

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates link -->
4
5  <html lang="en">
6      <head>
7          <title>link</title>
8      </head>
9      <body>
10         Visit <a href="https://www.harvard.edu/">Harvard</a>.
11     </body>
12 </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates link -->
4
5  <html lang="en">
6    <head>
7      <style>
8
9        a {
10          color: #ff0000;
11          text-decoration: none;
12        }
13
14        a:hover {
15          text-decoration: underline;
16        }
17
18      </style>
19      <title>link</title>
20    </head>
21    <body>
22      Visit <a href="https://www.harvard.edu/">Harvard</a>.
23    </body>
24  </html>
```



```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates link -->
4
5  <html lang="en">
6    <head>
7      <style>
8
9        #harvard
10       {
11         color: #ff0000;
12       }
13
14       #yale
15       {
16         color: #0000ff;
17       }
18
19       a
20       {
21         text-decoration: none;
22       }
23
24       a:hover
25       {
26         text-decoration: underline;
27       }
28
29     </style>
30     <title>link</title>
31   </head>
32   <body>
33     Visit <a href="https://www.harvard.edu/" id="harvard">Harvard</a> or <a href="https://www.yale.edu/" id="yale">Yale</a>.
34   </body>
35 </html>
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <script>
6
7        function greet()
8        {
9          alert('hello, ' + document.querySelector('#name').value);
10         }
11
12      </script>
13      <title>hello</title>
14    </head>
15    <body>
16      <form onsubmit="greet(); return false;">
17        <input autocomplete="off" autofocus id="name" placeholder="Name" type="text">
18        <input type="submit">
19      </form>
20    </body>
21  </html>
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <title>hello</title>
6    </head>
7    <body>
8      <form>
9        <input autocomplete="off" autofocus id="name" placeholder="Name" type="text">
10       <input type="submit">
11     </form>
12     <script>
13
14       document.querySelector('form').addEventListener('submit', function(event) {
15         alert('hello, ' + document.querySelector('#name').value);
16         event.preventDefault();
17       });
18
19     </script>
20 </body>
21 </html>
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <script>
6
7        document.addEventListener('DOMContentLoaded', function() {
8          document.querySelector('form').onsubmit = function() {
9            alert('hello, ' + document.querySelector('#name').value);
10             return false;
11          };
12        });
13
14      </script>
15      <title>hello</title>
16    </head>
17    <body>
18      <form>
19        <input autocomplete="off" autofocus id="name" placeholder="Name" type="text">
20        <input type="submit">
21      </form>
22    </body>
23  </html>
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <script src="hello4.js"></script>
6      <title>hello</title>
7    </head>
8    <body>
9      <form>
10       <input autocomplete="off" autofocus id="name" placeholder="Name" type="text">
11       <input type="submit">
12     </form>
13   </body>
14 </html>
```

---

```
1  document.addEventListener('DOMContentLoaded', function() {  
2      document.querySelector('form').onsubmit = function() {  
3          alert('hello, ' + document.querySelector('#name').value);  
4          return false;  
5      };  
6  });
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <script>
6
7        document.addEventListener('DOMContentLoaded', function() {
8          let input = document.querySelector('input');
9          input.addEventListener('keyup', function(event) {
10             let name = document.querySelector('#name');
11             if (input.value) {
12               name.innerHTML = `hello, ${input.value}`;
13             }
14             else {
15               name.innerHTML = 'hello, whoever you are';
16             }
17           });
18         });
19
20      </script>
21      <title>hello</title>
22    </head>
23    <body>
24      <form>
25        <input autocomplete="off" autofocus placeholder="Name" type="text">
26      </form>
27      <p id="name"></p>
28    </body>
29  </html>
```

```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates programmatic changes to style -->
4
5  <html lang="en">
6    <head>
7      <title>background</title>
8    </head>
9    <body>
10     <button id="red">R</button>
11     <button id="green">G</button>
12     <button id="blue">B</button>
13     <script>
14
15       let body = document.querySelector('body');
16       document.querySelector('#red').onclick = function() {
17         body.style.backgroundColor = 'red';
18       };
19       document.querySelector('#green').onclick = function() {
20         body.style.backgroundColor = 'green';
21       };
22       document.querySelector('#blue').onclick = function() {
23         body.style.backgroundColor = 'blue';
24       };
25
26     </script>
27   </body>
28 </html>
```



```
1  <!DOCTYPE html>
2
3  <!-- Demonstrates programmatic changes to size -->
4
5  <html lang="en">
6    <head>
7      <title>size</title>
8    </head>
9    <body>
10     <p>
11       Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam in tincidunt augue. Duis imperdiet,
justo ac iaculis rhoncus, erat elit dignissim mi, eu interdum velit sapien nec risus. Praesent ullamcorper nibh at
volutpat aliquam. Nam sed aliquam risus. Nulla rutrum nunc augue, in varius lacus commodo in. Ut tincidunt nisi a
convallis consequat. Fusce sed pulvinar nulla.
12     </p>
13     <select>
14       <option value="xx-large">xx-large</option>
15       <option value="x-large">x-large</option>
16       <option value="large">large</option>
17       <option selected value="initial">initial</option>
18       <option value="small">small</option>
19       <option value="x-small">x-small</option>
20       <option value="xx-small">xx-small</option>
21     </select>
22     <script>
23
24       document.querySelector('select').addEventListener('change', function(event) {
25         document.querySelector('body').style.fontSize = this.value;
26       });
27
28     </script>
29   </body>
30 </html>
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <script>
6
7        // Toggles visibility of greeting
8        function blink()
9        {
10          let body = document.querySelector('body');
11          if (body.style.visibility == 'hidden')
12          {
13            body.style.visibility = 'visible';
14          }
15          else
16          {
17            body.style.visibility = 'hidden';
18          }
19        }
20
21        // Blink every 500ms
22        window.setInterval(blink, 500);
23
24      </script>
25      <title>blink</title>
26    </head>
27    <body>
28      hello, world
29    </body>
30  </html>
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4    <head>
5      <title>geolocation</title>
6    </head>
7    <body>
8      <script>
9
10         navigator.geolocation.getCurrentPosition(function(position) {
11             document.write(position.coords.latitude + ", " + position.coords.longitude);
12         });
13
14     </script>
15 </body>
16 </html>
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4
5      <head>
6          <meta name="viewport" content="initial-scale=1, width=device-width">
7          <title>autocomplete</title>
8      </head>
9
10     <body>
11
12         <input autocomplete="off" autofocus placeholder="Query" type="text">
13
14         <ul></ul>
15
16         <script src="large.js"></script>
17         <script>
18
19             let input = document.querySelector('input');
20             input.addEventListener('keyup', function(event) {
21                 let html = '';
22                 if (input.value) {
23                     for (word of WORDS) {
24                         if (word.startsWith(input.value)) {
25                             html += `<li>${word}</li>`;
26                         }
27                     }
28                 }
29                 document.querySelector('ul').innerHTML = html;
30             });
31
32         </script>
33
34     </body>
35 </html>
```

```
1 import os
2 import requests
3
4 USERNAME = os.getenv("USERNAME")
5 IP = os.getenv("IP")
6 URL = f"http://{IP}/api/{USERNAME}/lights/1/state"
7
8 body = {
9     "on": False
10 }
11
12 requests.put(URL, json=body)
```

```
1 import os
2 import requests
3
4 USERNAME = os.getenv("USERNAME")
5 IP = os.getenv("IP")
6 URL = f"http://{IP}/api/{USERNAME}/lights/1/state"
7
8 body = {
9     "bri": 254,
10    "on": True,
11    "sat": 0
12 }
13
14 requests.put(URL, json=body)
```

```
1 import os
2 import requests
3
4 USERNAME = os.getenv("USERNAME")
5 IP = os.getenv("IP")
6 URL = f"http://{IP}/api/{USERNAME}/lights/1/state"
7
8 body = {
9     "hue": 65535,
10    "sat": 254
11 }
12
13 requests.put(URL, json=body)
```

```
1 import os
2 import requests
3
4 USERNAME = os.getenv("USERNAME")
5 IP = os.getenv("IP")
6 URL = f"http://{IP}/api/{USERNAME}/lights/1/state"
7
8 body = {
9     "hue": 25500,
10    "sat": 254
11 }
12
13 requests.put(URL, json=body)
```



```
1 import os
2 import requests
3
4 USERNAME = os.getenv("USERNAME")
5 IP = os.getenv("IP")
6 URL = f"http://{IP}/api/{USERNAME}/lights/1/state"
7
8 body = {
9     "hue": 46290,
10    "sat": 254
11 }
12
13 requests.put(URL, json=body)
```

```
1 import os
2 import requests
3 import time
4
5 USERNAME = os.getenv("USERNAME")
6 IP = os.getenv("IP")
7 URL = f"http://{IP}/api/{USERNAME}/lights/1/state"
8
9 while True:
10     requests.put(URL, json={"bri": 254, "on": True})
11     time.sleep(1)
12     requests.put(URL, json={"on": False})
13     time.sleep(1)
```