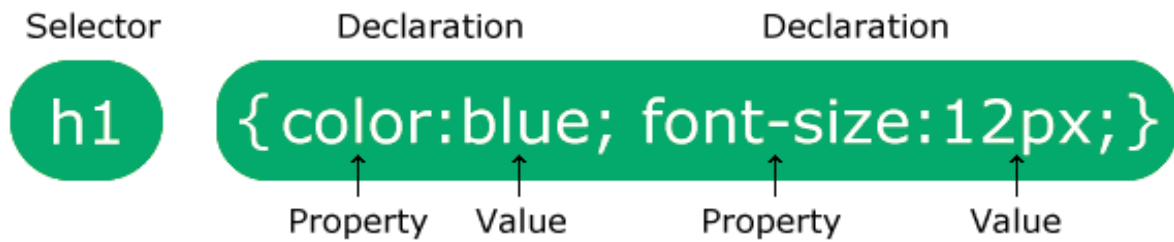




## What is CSS?

- ❖ CSS stands for Cascading Style Sheets
- ❖ CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- ❖ CSS saves a lot of work. It can control the layout of multiple web pages all at once
- ❖ External stylesheets are stored in CSS files

### CSS Syntax:



### Example:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      p {
6          color: red;
7          text-align: center;
8      }
9      </style>
10     </head>
11     <body>
12
13     <p>Hello World!</p>
14     <p>These paragraphs are styled with CSS.</p>
15
16     </body>
17     </html>
```

### CSS selectors:

CSS selectors are used to "find" (or select) the HTML elements you want to style.

### Element Selectors:

Example 1:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      p {
6          text-align: center;
7          color: red;
8      }
9      </style>
10     </head>
11     <body>
12
13     <p>Every paragraph will be affected by the style.</p>
14     <p id="para1">Me too!</p>
15     <p>And me!</p>
16
17     </body>
18     </html>
```

Example 2:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      p {
6          text-align: center;
7          color: red;
8      }
9      </style>
10     </head>
11     <body>
12
13     <p>Every paragraph will be affected by the style.</p>
14     <p id="para1">Me too!</p>
```

```
15 <p>And me!</p>
16
17 </body>
18 </html>
```

Id selectors:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5 #para1 {
6     text-align: center;
7     color: red;
8 }
9 </style>
10 </head>
11 <body>
12
13 <p id="para1">Hello World!</p>
14 <p>This paragraph is not affected by the style.</p>
15
16 </body>
17 </html>
```

Class selectors:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      .center {
6          text-align: center;
7          color: red;
8      }
9      </style>
10     </head>
11     <body>
12
13     <h1 class="center">Red and center-aligned heading</h1>
14     <p class="center">Red and center-aligned paragraph.</p>
15
16     </body>
17     </html>
```

Universal Selectors:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      * {
6          text-align: center;
7          color: blue;
8      }
9      </style>
10     </head>
11     <body>
12
13     <h1>Hello world!</h1>
14
```

```
15     <p>Every element on the page will be affected by the
16     style.</p>
17     <p id="para1">Me too!</p>
18     <p>And me!</p>
19     </body>
20     </html>
```

### Grouping Selectors:

```
1     <!DOCTYPE html>
2     <html>
3     <head>
4     <style>
5     h1, h2, p {
6         text-align: center;
7         color: red;
8     }
9     </style>
10    </head>
11    <body>
12
13    <h1>Hello World!</h1>
14    <h2>Smaller heading!</h2>
15    <p>This is a paragraph.</p>
16
17    </body>
18    </html>
```

### HTML and CSS comments:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      p {
6          color: red; /* Set text color to red */
7      }
8      </style>
9      </head>
10     <body>
11
12     <h2>My Heading</h2>
13
14     <!-- These paragraphs will be red -->
15     <p>Hello World!</p>
16     <p>This paragraph is styled with CSS.</p>
17     <p>HTML and CSS comments are not shown in the output.</p>
18
19     </body>
20     </html>
```

Background color:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h1 style="background-color:DodgerBlue;">Hello World</h1>
6
7      <p style="background-color:Tomato;">
8      Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam
9      nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam
10     erat volutpat.
11     Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper
12     suscipit lobortis nisl ut aliquip ex ea commodo consequat.
13     </p>
14
15     </body>
16     </html>
```

Text color:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h3 style="color:Tomato;">Hello World</h3>
6
7      <p style="color:DodgerBlue;">Lorem ipsum dolor sit amet, consectetur
8      adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore
9      magna aliquam erat volutpat.</p>
10
11     <p style="color:MediumSeaGreen;">Ut wisi enim ad minim veniam, quis
12     nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea
     commodo consequat.</p>
13
14     </body>
15     </html>
```

Border Color:

```
1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <h1 style="border: 2px solid Tomato;">Hello World</h1>
6
7      <h1 style="border: 2px solid DodgerBlue;">Hello World</h1>
8
9      <h1 style="border: 2px solid Violet;">Hello World</h1>
10
11     </body>
12     </html>
```

Color Values:



```

1      <!DOCTYPE html>
2      <html>
3      <body>
4
5      <p>Same as color name "Tomato": </p>
6
7      <h1 style="background-color:rgb(255, 99, 71);">rgb(255, 99, 71)</h1>
8      <h1 style="background-color:#ff6347;">#ff6347</h1>
9      <h1 style="background-color:hsl(9, 100%, 64%);">hsl(9, 100%,
10     64%)</h1>
11
12     <p>Same as color name "Tomato", but 50% transparent:</p>
13     <h1 style="background-color:rgba(255, 99, 71, 0.5);">rgba(255, 99, 71,
14     0.5)</h1>
15     <h1 style="background-color:hsla(9, 100%, 64%, 0.5);">hsla(9, 100%,
16     64%, 0.5)</h1>
17
18     <p>In addition to the predefined color names, colors can be specified using
    RGB, HEX, HSL, or even transparent colors using RGBA or HSLA color
    values.</p>
    </body>
    </html>

```

Body Background color:

```

1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      body {
6          background-color: lightblue;
7      }
8      </style>
9      </head>
10     <body>
11
12     <h1>Hello World!</h1>
13
14     <p>This page has a light blue background color!</p>

```

```
15
16     </body>
17     </html>
```

Opacity:

```
1     <!DOCTYPE html>
2     <html>
3     <head>
4     <style>
5     div {
6         background-color: green;
7     }
8
9     div.first {
10        opacity: 0.1;
11    }
12
13    div.second {
14        opacity: 0.3;
15    }
16
17    div.third {
18        opacity: 0.6;
19    }
20    </style>
21    </head>
22    <body>
23
24    <h1>Transparent Boxes</h1>
25
26    <p>When using the opacity property to add transparency to the
27    background of an element, all of its child elements become transparent as
28    well. This can make the text inside a fully transparent element hard to
29    read:</p>
30
31    <div class="first">
32        <h1>opacity 0.1</h1>
33    </div>
```

```
34
35 <div class="second">
36   <h1>opacity 0.3</h1>
37 </div>
38
39 <div class="third">
40   <h1>opacity 0.6</h1>
41 </div>
42
43 <div>
44   <h1>opacity 1 (default)</h1>
45 </div>
</body>
</html>
```

Background Image:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5   body {
6     background-image: url("paper.gif");
7   }
8 </style>
9 </head>
10 <body>
11
12 <h1>Hello World!</h1>
13
14 <p>This page has an image as the background!</p>
15
16 </body>
17 </html>
```

Background Position, repeat:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      body {
6          background-image: url("img_tree.png");
7          background-repeat: no-repeat;
8          background-position: right top;
9          margin-right: 200px;
10     }
11     </style>
12 </head>
13 <body>
14
15     <h1>Hello World!</h1>
16     <p>Here, the background image is only shown once. In addition it is
17     positioned away from the text.</p>
18     <p>In this example we have also added a margin on the right side, so
19     that the background image will not disturb the text.</p>
20
21     </body>
22 </html>
```

Background attachment fixed:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      body {
6          background-image: url("img_tree.png");
7          background-repeat: no-repeat;
8          background-position: right top;
9          margin-right: 200px;
10         background-attachment: fixed;
11     }
12 </style>
13 </head>
14 <body>
15
16     <h1>The background-attachment Property</h1>
17
18     <p>The background-attachment property specifies whether the
19     background image should scroll or be fixed (will not scroll with the rest of
20     the page).</p>
21
22     <p><strong>Tip:</strong> If you do not see any scrollbars, try to
23     resize the browser window.</p>
24
25     <p>The background-image is fixed. Try to scroll down the page.</p>
26     <p>The background-image is fixed. Try to scroll down the page.</p>
27     <p>The background-image is fixed. Try to scroll down the page.</p>
28     <p>The background-image is fixed. Try to scroll down the page.</p>
29     <p>The background-image is fixed. Try to scroll down the page.</p>
30     <p>The background-image is fixed. Try to scroll down the page.</p>
31     <p>The background-image is fixed. Try to scroll down the page.</p>
32     <p>The background-image is fixed. Try to scroll down the page.</p>
33     <p>The background-image is fixed. Try to scroll down the page.</p>
34     <p>The background-image is fixed. Try to scroll down the page.</p>
35     <p>The background-image is fixed. Try to scroll down the page.</p>
36     <p>The background-image is fixed. Try to scroll down the page.</p>
37     <p>The background-image is fixed. Try to scroll down the page.</p>
38     <p>The background-image is fixed. Try to scroll down the page.</p>
39     <p>The background-image is fixed. Try to scroll down the page.</p>
40     <p>The background-image is fixed. Try to scroll down the page.</p>
```

```
41     <p>The background-image is fixed. Try to scroll down the page.</p>
42     <p>The background-image is fixed. Try to scroll down the page.</p>
43     <p>The background-image is fixed. Try to scroll down the page.</p>
44     <p>The background-image is fixed. Try to scroll down the page.</p>
45     <p>The background-image is fixed. Try to scroll down the page.</p>
46     <p>The background-image is fixed. Try to scroll down the page.</p>

    </body>
</html>
```

Background Attachment scroll:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      body {
6          background-image: url("img_tree.png");
7          background-repeat: no-repeat;
8          background-position: right top;
9          margin-right: 200px;
10         background-attachment: scroll;
11     }
12 </style>
13 </head>
14 <body>
15
16     <h1>The background-attachment Property</h1>
17
18     <p>The background-attachment property specifies whether the
19     background image should scroll or be fixed (will not scroll with the rest of
20     the page).</p>
21
22     <p><strong>Tip:</strong> If you do not see any scrollbars, try to resize
23     the browser window.</p>
24
25     <p>The background-image scrolls. Try to scroll down the page.</p>
26     <p>The background-image scrolls. Try to scroll down the page.</p>
27     <p>The background-image scrolls. Try to scroll down the page.</p>
28     <p>The background-image scrolls. Try to scroll down the page.</p>
29     <p>The background-image scrolls. Try to scroll down the page.</p>
30     <p>The background-image scrolls. Try to scroll down the page.</p>
31     <p>The background-image scrolls. Try to scroll down the page.</p>
32     <p>The background-image scrolls. Try to scroll down the page.</p>
33     <p>The background-image scrolls. Try to scroll down the page.</p>
34     <p>The background-image scrolls. Try to scroll down the page.</p>
35     <p>The background-image scrolls. Try to scroll down the page.</p>
36     <p>The background-image scrolls. Try to scroll down the page.</p>
37     <p>The background-image scrolls. Try to scroll down the page.</p>
38     <p>The background-image scrolls. Try to scroll down the page.</p>
39     <p>The background-image scrolls. Try to scroll down the page.</p>
40     <p>The background-image scrolls. Try to scroll down the page.</p>
```

```
41 <p>The background-image scrolls. Try to scroll down the page.</p>
42 <p>The background-image scrolls. Try to scroll down the page.</p>
43 <p>The background-image scrolls. Try to scroll down the page.</p>
44 <p>The background-image scrolls. Try to scroll down the page.</p>
45 <p>The background-image scrolls. Try to scroll down the page.</p>

</body>
</html>
```

## CSS Borders:

### Border style:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5 p.dotted {border-style: dotted;}
6 p.dashed {border-style: dashed;}
7 p.solid {border-style: solid;}
8 p.double {border-style: double;}
9 p.groove {border-style: groove;}
10 p.ridge {border-style: ridge;}
11 p.inset {border-style: inset;}
12 p.outset {border-style: outset;}
13 p.none {border-style: none;}
14 p.hidden {border-style: hidden;}
15 p.mix {border-style: dotted dashed solid double;}
16 </style>
17 </head>
18 <body>
19
20 <h2>The border-style Property</h2>
21 <p>This property specifies what kind of border to display:</p>
22
23 <p class="dotted">A dotted border.</p>
24 <p class="dashed">A dashed border.</p>
25 <p class="solid">A solid border.</p>
26 <p class="double">A double border.</p>
27 <p class="groove">A groove border.</p>
```



```
28     <p class="ridge">A ridge border.</p>
29     <p class="inset">An inset border.</p>
30     <p class="outset">An outset border.</p>
31     <p class="none">No border.</p>
32     <p class="hidden">A hidden border.</p>
33     <p class="mix">A mixed border.</p>
34
35     </body>
36     </html>
```

Border Width:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      p.one {
6          border-style: solid;
7          border-width: 5px;
8      }
9
10     p.two {
11         border-style: solid;
12         border-width: medium;
13     }
14
15     p.three {
16         border-style: dotted;
17         border-width: 2px;
18     }
19
20     p.four {
21         border-style: dotted;
22         border-width: thick;
23     }
24
25     p.five {
26         border-style: double;
27         border-width: 15px;
28     }
29
30     p.six {
31         border-style: double;
32         border-width: thick;
33     }
34     </style>
35     </head>
36     <body>
37
38     <h2>The border-width Property</h2>
39     <p>This property specifies the width of the four borders:</p>
40
```

```
41     <p class="one">Some text.</p>
42     <p class="two">Some text.</p>
43     <p class="three">Some text.</p>
44     <p class="four">Some text.</p>
45     <p class="five">Some text.</p>
46     <p class="six">Some text.</p>
47
48     <p><b>Note:</b> The "border-width" property does not work if it is
49     used alone.
50     Always specify the "border-style" property to set the borders first.</p>
51
52     </body>
    </html>
```

Rounded Border:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  p.normal {
6      border: 2px solid red;
7      padding: 5px;
8  }
9
10 p.round1 {
11     border: 2px solid red;
12     border-radius: 5px;
13     padding: 5px;
14 }
15
16 p.round2 {
17     border: 2px solid red;
18     border-radius: 8px;
19     padding: 5px;
20 }
21
22 p.round3 {
23     border: 2px solid red;
24     border-radius: 12px;
25     padding: 5px;
26 }
27 </style>
28 </head>
29 <body>
30
31 <h2>The border-radius Property</h2>
32 <p>This property is used to add rounded borders to an element:</p>
33
34 <p class="normal">Normal border</p>
35 <p class="round1">Round border</p>
36 <p class="round2">Rounder border</p>
37 <p class="round3">Roundest border</p>
38
39 </body>
40 </html>
```

Margin:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6    border: 1px solid black;
7    margin-top: 100px;
8    margin-bottom: 100px;
9    margin-right: 150px;
10   margin-left: 80px;
11   background-color: lightblue;
12 }
13 </style>
14 </head>
15 <body>
16
17 <h2>Using individual margin properties</h2>
18
19 <div>This div element has a top margin of 100px, a right margin of 150px, a
20 bottom margin of 100px, and a left margin of 80px.</div>
21
22 </body>
    </html>
```

Margin Shorthand:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6    border: 1px solid black;
7    margin: 25px 50px 75px 100px;
8    background-color: lightblue;
9  }
10 </style>
11 </head>
12 <body>
13
14 <h2>The margin shorthand property - 4 values</h2>
15
16 <div>This div element has a top margin of 25px, a right margin of 50px, a
17 bottom margin of 75px, and a left margin of 100px.</div>
18
19 <hr>
20 </body>
21 </html>
```

If the margin Property has two values:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6    border: 1px solid black;
7    margin: 25px 50px;
8    background-color: lightblue;
9  }
10 </style>
11 </head>
12 <body>
13
14 <h2>The margin shorthand property - 2 values</h2>
15
16 <div>This div element has a top and bottom margin of 25px, and a right and
17 left margin of 50px.</div>
18
19 <hr>
20 </body>
21 </html>
```

Margin auto:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6    width: 300px;
7    margin: auto;
8    border: 1px solid red;
9  }
10 </style>
11 </head>
12 <body>
13
14 <h2>Use of margin: auto</h2>
15 <p>You can set the margin property to auto to horizontally center the
16 element within its container. The element will then take up the specified
17 width, and the remaining space will be split equally between the left and right
18 margins:</p>
19
20 <div>
21 This div will be horizontally centered because it has margin: auto;
22 </div>
    </body>
    </html>
```

Margin Inherit:



```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      div {
6          border: 1px solid red;
7          margin-left: 100px;
8      }
9
10     p.ex1 {
11         margin-right: inherit;
12     }
13     </style>
14     </head>
15     <body>
16
17     <h2>Use of the inherit value</h2>
18     <p>Let the left margin be inherited from the parent element:</p>
19
20     <div>
21     <p class="ex1">This paragraph has an inherited left margin (from the div
22     element).</p>
23     </div>
24     </body>
25     </html>
```

## CSS Padding

The CSS padding properties are used to generate space around an element's content, inside of any defined borders.

Example:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6      border: 1px solid black;
7      background-color: lightblue;
8      padding-top: 50px;
9      padding-right: 30px;
10     padding-bottom: 50px;
11     padding-left: 80px;
12 }
13 </style>
14 </head>
15 <body>
16
17 <h2>Using individual padding properties</h2>
18
19 <div>This div element has a top padding of 50px, a right padding of 30px,
20 a bottom padding of 50px, and a left padding of 80px.</div>
21
22 </body>
    </html>
```

Padding and element width:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div.ex1 {
6    width: 300px;
7    background-color: yellow;
8  }
9
10 div.ex2 {
11   width: 300px;
12   padding: 25px;
13   background-color: lightblue;
14 }
15 </style>
16 </head>
17 <body>
18
19 <h2>Padding and element width</h2>
20
21 <div class="ex1">This div is 300px wide.</div>
22 <br>
23
24 <div class="ex2">The width of this div is 350px, even though it is defined as
25 300px in the CSS.</div>
26
27 </body>
   </html>
```

Height and width Example:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      div {
6          height: 200px;
7          width: 50%;
8          background-color: powderblue;
9      }
10     </style>
11     </head>
12     <body>
13
14     <h2>Set the height and width of an element</h2>
15
16     <div>This div element has a height of 200px and a width of 50%.</div>
17
18     </body>
19     </html>
```

Max-width:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      div {
6          max-width: 500px;
7          height: 100px;
8          background-color: powderblue;
9      }
10     </style>
11     </head>
12     <body>
13
14     <h2>Set the max-width of an element</h2>
15
16     <div>This div element has a height of 100px and a max-width of
17     500px.</div>
```

```
18
19  <p>Resize the browser window to see the effect.</p>
20
21  </body>
    </html>
```

Box model:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6      background-color: lightgrey;
7      width: 300px;
8      border: 15px solid green;
9      padding: 50px;
10     margin: 20px;
11 }
12 </style>
13 </head>
14 <body>
15
16  <h2>Demonstrating the Box Model</h2>
17
18  <p>The CSS box model is essentially a box that wraps around every HTML
19  element. It consists of: borders, padding, margins, and the actual
20  content.</p>
21
22  <div>This text is the content of the box. We have added a 50px padding,
23  20px margin and a 15px green border. Ut enim ad minim veniam, quis
    nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
    consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse
    cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non
    proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
    </div>
</body>
</html>
```

Text Align:

```
1    <!DOCTYPE html>
2    <html>
3    <head>
4    <style>
5    h1 {
6        text-align: center;
7    }
8
9    h2 {
10       text-align: left;
11    }
12
13   h3 {
14       text-align: right;
15   }
16   </style>
17   </head>
18   <body>
19
20   <h1>Heading 1 (center)</h1>
21   <h2>Heading 2 (left)</h2>
22   <h3>Heading 3 (right)</h3>
23
24   <p>The three headings above are aligned center, left and right.</p>
25
26   </body>
27   </html>
```

Text Align Last:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  p.a {
6    text-align-last: right;
7  }
8
9  p.b {
10   text-align-last: center;
11 }
12
13 p.c {
14   text-align-last: justify;
15 }
16 </style>
17 </head>
18 <body>
19
20 <h1>The text-align-last Property</h1>
21
22 <h2>text-align-last: right:</h2>
23 <p class="a">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam
24 semper diam at erat pulvinar, at pulvinar felis blandit. Vestibulum volutpat
25 tellus diam, consequat gravida libero rhoncus ut.</p>
26
27 <h2>text-align-last: center:</h2>
28 <p class="b">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam
29 semper diam at erat pulvinar, at pulvinar felis blandit. Vestibulum volutpat
30 tellus diam, consequat gravida libero rhoncus ut.</p>
31
32 <h2>text-align-last: justify:</h2>
33 <p class="c">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam
34 semper diam at erat pulvinar, at pulvinar felis blandit. Vestibulum volutpat
35 tellus diam, consequat gravida libero rhoncus ut.</p>
36
37 </body>
38 </html>
```

Text Direction:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      p.ex1 {
6          direction: rtl;
7          unicode-bidi: bidi-override;
8      }
9      </style>
10     </head>
11     <body>
12
13     <p>This is the default text direction.</p>
14
15     <p class="ex1">This is right-to-left text direction.</p>
16
17     </body>
18     </html>
```

Text Transform:



```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      p.uppercase {
6          text-transform: uppercase;
7      }
8
9      p.lowercase {
10         text-transform: lowercase;
11     }
12
13     p.capitalize {
14         text-transform: capitalize;
15     }
16 </style>
17 </head>
18 <body>
19
20     <h1>Using the text-transform property</h1>
21
22     <p class="uppercase">This text is transformed to uppercase.</p>
23     <p class="lowercase">This text is transformed to lowercase.</p>
24     <p class="capitalize">This text is capitalized.</p>
25
26 </body>
27 </html>
```

Font Family:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      .p1 {
6          font-family: "Times New Roman", Times, serif;
7      }
8
9      .p2 {
10         font-family: Arial, Helvetica, sans-serif;
11     }
12
13     .p3 {
14         font-family: "Lucida Console", "Courier New", monospace;
15     }
16     </style>
17     </head>
18     <body>
19
20     <h1>CSS font-family</h1>
21     <p class="p1">This is a paragraph, shown in the Times New Roman
22     font.</p>
23     <p class="p2">This is a paragraph, shown in the Arial font.</p>
24     <p class="p3">This is a paragraph, shown in the Lucida Console
25     font.</p>
26
27     </body>
28     </html>
```

Font Style:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      p.normal {
6          font-style: normal;
7      }
8
9      p.italic {
10         font-style: italic;
11     }
12
13     p.oblique {
14         font-style: oblique;
15     }
16     </style>
17     </head>
18     <body>
19
20     <h1>The font-style property</h1>
21
22     <p class="normal">This is a paragraph in normal style.</p>
23     <p class="italic">This is a paragraph in italic style.</p>
24     <p class="oblique">This is a paragraph in oblique style.</p>
25
26     </body>
27     </html>
```

Font weight:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  p.normal {
6      font-weight: normal;
7  }
8
9  p.light {
10     font-weight: lighter;
11 }
12
13 p.thick {
14     font-weight: bold;
15 }
16
17 p.thicker {
18     font-weight: 900;
19 }
20 </style>
21 </head>
22 <body>
23
24 <h1>The font-weight property</h1>
25
26 <p class="normal">This is a paragraph.</p>
27 <p class="light">This is a paragraph.</p>
28 <p class="thick">This is a paragraph.</p>
29 <p class="thicker">This is a paragraph.</p>
30
31 </body>
32 </html>
```

Css icons:

Font awesome icons:

```

1      <!DOCTYPE html>
2      <html>
3      <head>
4      <title>Font Awesome Icons</title>
5      <meta name="viewport" content="width=device-width,
6      initial-scale=1">
7      <script src="https://kit.fontawesome.com/a076d05399.js"
8      crossorigin="anonymous"></script>
9      <!--Get your own code at fontawesome.com-->
10     </head>
11     <body>
12
13     <h1>Font Awesome icon library</h1>
14
15     <p>Some Font Awesome icons:</p>
16     <i class="fas fa-cloud"></i>
17     <i class="fas fa-heart"></i>
18     <i class="fas fa-car"></i>
19     <i class="fas fa-file"></i>
20     <i class="fas fa-bars"></i>
21
22     <p>Styled Font Awesome icons (size and color):</p>
23     <i class="fas fa-cloud " style="font-size:24px;"></i>
24     <i class="fas fa-cloud" style="font-size:36px;"></i>
25     <i class="fas fa-cloud" style="font-size:48px;color:red;"></i>
26     <i class="fas fa-cloud" style="font-size:60px;color:lightblue;"></i>
27
28     </body>
29     </html>

```

Google Icons:

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Google Icons</title>
5  <meta name="viewport" content="width=device-width, initial-scale=1">
6  <link rel="stylesheet"
7  href="https://fonts.googleapis.com/icon?family=Material+Icons">
8  </head>
9  <body>
10
11  <h1>Google icon library</h1>
12
13  <p>Some Google icons:</p>
14  <i class="material-icons">cloud</i>
15  <i class="material-icons">favorite</i>
16  <i class="material-icons">attachment</i>
17  <i class="material-icons">computer</i>
18  <i class="material-icons">traffic</i>
19  <br><br>
20
21  <p>Styled Google icons (size and color):</p>
22  <i class="material-icons" style="font-size:24px;">cloud</i>
23  <i class="material-icons" style="font-size:36px;">cloud</i>
24  <i class="material-icons" style="font-size:48px;color:red;">cloud</i>
25  <i class="material-icons" style="font-size:60px;color:lightblue;">cloud</i>
26
27  </body>
    </html>

```

CSS links:

```

1    <!DOCTYPE html>
2    <html>
3    <head>
4    <style>
5    /* unvisited link */
6    a:link {
7        color: red;
8    }
9
10   /* visited link */
11   a:visited {
12       color: green;
13   }
14
15   /* mouse over link */
16   a:hover {
17       color: hotpink;
18   }
19
20   /* selected link */
21   a:active {
22       color: blue;
23   }
24   </style>
25   </head>
26   <body>
27
28   <h2>Styling a link depending on state</h2>
29
30   <p><b><a href="default.asp" target="_blank">This is a
31   link</a></b></p>
32   <p><b>Note:</b> a:hover MUST come after a:link and a:visited in the
33   CSS definition in order to be effective.</p>
34   <p><b>Note:</b> a:active MUST come after a:hover in the CSS definition
35   in order to be effective.</p>
36
37   </body>
38   </html>

```

Text decoration:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      a:link {
6          text-decoration: none;
7      }
8
9      a:visited {
10         text-decoration: none;
11     }
12
13     a:hover {
14         text-decoration: underline;
15     }
16
17     a:active {
18         text-decoration: underline;
19     }
20 </style>
21 </head>
22 <body>
23
24 <h2>Styling a link with text-decoration property</h2>
25
26 <p><b><a href="default.asp" target="_blank">This is a
27 link</a></b></p>
28 <p><b>Note:</b> a:hover MUST come after a:link and a:visited in the
29 CSS definition in order to be effective.</p>
30 <p><b>Note:</b> a:active MUST come after a:hover in the CSS definition
31 in order to be effective.</p>
</body>
</html>
```



```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      a:link, a:visited {
6          background-color: #f44336;
7          color: white;
8          padding: 14px 25px;
9          text-align: center;
10         text-decoration: none;
11         display: inline-block;
12     }
13
14     a:hover, a:active {
15         background-color: green;
16     }
17     </style>
18     </head>
19     <body>
20
21     <h2>Link Button</h2>
22
23     <p>A link styled as a button:</p>
24     <a href="default.asp" target="_blank">This is a link</a>
25
26     </body>
27     </html>
```

Display:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  h1.hidden {
6    display: none;
7  }
8  </style>
9  </head>
10 <body>
11
12 <h1>This is a visible heading</h1>
13 <h1 class="hidden">This is a hidden heading</h1>
14 <p>Notice that the h1 element with display: none; does not take up any
15 space.</p>
16
17 </body>
   </html>
```

Overflow: visible:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6    background-color: coral;
7    width: 200px;
8    height: 65px;
9    border: 1px solid;
10   overflow: visible;
11 }
12 </style>
13 </head>
14 <body>
15
16 <h2>Overflow: visible</h2>
17
18 <p>By default, the overflow is visible, meaning that it is not clipped and it
```

```
19 renders outside the element's box: </p>
20
21 <div>You can use the overflow property when you want to have better control
22 of the layout. The overflow property specifies what happens if content
23 overflows an element's box.</div>

</body>
</html>
```

Overflow: hidden:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5   div {
6     background-color: coral;
7     width: 200px;
8     height: 65px;
9     border: 1px solid black;
10    overflow: hidden;
11  }
12 </style>
13 </head>
14 <body>
15
16 <h2>Overflow: hidden</h2>
17
18 <p>With the hidden value, the overflow is clipped, and the rest of the
19 content is hidden:</p>
20 <p>Try to remove the overflow property to understand how it works.</p>
21
22 <div>You can use the overflow property when you want to have better
23 control of the layout. The overflow property specifies what happens if
24 content overflows an element's box.</div>

</body>
</html>
```

Overflow: scroll:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6    background-color: coral;
7    width: 200px;
8    height: 100px;
9    border: 1px solid black;
10   overflow: scroll;
11 }
12 </style>
13 </head>
14 <body>
15
16 <h2>Overflow: scroll</h2>
17
18 <p>Setting the overflow value to scroll, the overflow is clipped and a
19 scrollbar is added to scroll inside the box. Note that this will add a scrollbar
20 both horizontally and vertically (even if you do not need it):</p>
21
22 <div>You can use the overflow property when you want to have better
23 control of the layout. The overflow property specifies what happens if content
   overflows an element's box.</div>
   </body>
   </html>
```

Overflow: auto:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6    background-color: coral;
7    width: 200px;
8    height: 65px;
9    border: 1px solid black;
10   overflow: auto;
11 }
12 </style>
13 </head>
14 <body>
15
16 <h2>Overflow: auto</h2>
17
18 <p>The auto value is similar to scroll, only it add scrollbars when
19 necessary:</p>
20
21 <div>You can use the overflow property when you want to have better
22 control of the layout. The overflow property specifies what happens if content
23 overflows an element's box.</div>
24
25 </body>
26 </html>
```

Overflow-x overflow-y:

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6      background-color: coral;
7      width: 200px;
8      height: 65px;
9      border: 1px solid black;
10     overflow-x: hidden;
11     overflow-y: scroll;
12 }
13 </style>
14 </head>
15 <body>
16
17 <h2>Overflow-x and overflow-y</h2>
18
19 <p>You can also change the overflow of content horizontally or
20 vertically.</p>
21 <p>overflow-x specifies what to do with the left/right edges of the
22 content.</p>
23 <p>overflow-y specifies what to do with the top/bottom edges of the
24 content.</p>
25
26 <div>You can use the overflow property when you want to have better
    control of the layout. The overflow property specifies what happens if content
    overflows an element's box.</div>

    </body>
    </html>

```

Float: right:

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  img {
6    float: right;
7  }
8  </style>
9  </head>
10 <body>
11
12 <h2>Float Right</h2>
13
14 <p>In this example, the image will float to the right in the paragraph, and the
15 text in the paragraph will wrap around the image.</p>
16
17 <p>
19 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet,
20 nulla et dictum interdum, nisi lorem egestas odio, vitae scelerisque enim ligula
    venenatis dolor. Maecenas nisl est, ultrices nec congue eget, auctor vitae
    massa. Fusce luctus vestibulum augue ut aliquet. Mauris ante ligula, facilisis
    sed ornare eu, lobortis in odio. Praesent convallis urna a lacus interdum ut
    hendrerit risus congue. Nunc sagittis dictum nisi, sed ullamcorper ipsum
    dignissim ac. In at libero sed nunc venenatis imperdiet sed ornare turpis.
    Donec vitae dui eget tellus gravida venenatis. Integer fringilla congue eros non
    fermentum. Sed dapibus pulvinar nibh tempor porta. Cras ac leo purus. Mauris
    quis diam velit.</p>
    </body>
    </html>

```

Float : left:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  img {
6    float: left;
7  }
8  </style>
9  </head>
10 <body>
11
12 <h2>Float Left</h2>
13
14 <p>In this example, the image will float to the left in the paragraph, and the
15 text in the paragraph will wrap around the image.</p>
16
17 <p>
19 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet,
20 nulla et dictum interdum, nisi lorem egestas odio, vitae scelerisque enim
    ligula venenatis dolor. Maecenas nisl est, ultrices nec congue eget, auctor
    vitae massa. Fusce luctus vestibulum augue ut aliquet. Mauris ante ligula,
    facilisis sed ornare eu, lobortis in odio. Praesent convallis urna a lacus
    interdum ut hendrerit risus congue. Nunc sagittis dictum nisi, sed ullamcorper
    ipsum dignissim ac. In at libero sed nunc venenatis imperdiet sed ornare
    turpis. Donec vitae dui eget tellus gravida venenatis. Integer fringilla congue
    eros non fermentum. Sed dapibus pulvinar nibh tempor porta. Cras ac leo
    purus. Mauris quis diam velit.</p>
    </body>
    </html>
```

Float: none:



```

1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  img {
6      float: none;
7  }
8  </style>
9  </head>
10 <body>
11
12 <h2>Float None</h2>
13
14 <p>In this example, the image will be displayed just where it occurs in the
15 text (float: none;).</p>
16
17 <p>
19 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet,
20 nulla et dictum interdum, nisi lorem egestas odio, vitae scelerisque enim
ligula venenatis dolor. Maecenas nisl est, ultrices nec congue eget, auctor
vitae massa. Fusce luctus vestibulum augue ut aliquet. Mauris ante ligula,
facilisis sed ornare eu, lobortis in odio. Praesent convallis urna a lacus
interdum ut hendrerit risus congue. Nunc sagittis dictum nisi, sed
ullamcorper ipsum dignissim ac. In at libero sed nunc venenatis imperdiet
sed ornare turpis. Donec vitae dui eget tellus gravida venenatis. Integer
fringilla congue eros non fermentum. Sed dapibus pulvinar nibh tempor
porta. Cras ac leo purus. Mauris quis diam velit.</p>
</body>
</html>

```

Float: next to each other:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  div {
6    float: left;
7    padding: 15px;
8  }
9
10 .div1 {
11   background: red;
12 }
13
14 .div2 {
15   background: yellow;
16 }
17
18 .div3 {
19   background: green;
20 }
21 </style>
22 </head>
23 <body>
24
25 <h2>Float Next To Each Other</h2>
26
27 <p>In this example, the three divs will float next to each other.</p>
28
29 <div class="div1">Div 1</div>
30 <div class="div2">Div 2</div>
31 <div class="div3">Div 3</div>
32
33 </body>
34 </html>
```

CSS navbars:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  ul {
6    list-style-type: none;
7    margin: 0;
8    padding: 0;
9  }
10 </style>
11 </head>
12 <body>
13
14 <p>In this example, we remove the bullets from the list, and its default
15 padding and margin.</p>
16
17 <ul>
18   <li><a href="#home">Home</a></li>
19   <li><a href="#news">News</a></li>
20   <li><a href="#contact">Contact</a></li>
21   <li><a href="#about">About</a></li>
22 </ul>
23
24 </body>
    </html>
```

Vertical Navigation Bar:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  ul {
6      list-style-type: none;
7      margin: 0;
8      padding: 0;
9      width: 200px;
10     background-color: #f1f1f1;
11     border: 1px solid #555;
12 }
13
14 li a {
15     display: block;
16     color: #000;
17     padding: 8px 16px;
18     text-decoration: none;
19 }
20
21 li {
22     text-align: center;
23     border-bottom: 1px solid #555;
24 }
25
26 li:last-child {
27     border-bottom: none;
28 }
29
30 li a.active {
31     background-color: #04AA6D;
32     color: white;
33 }
34
35 li a:hover:not(.active) {
36     background-color: #555;
37     color: white;
38 }
39 </style>
40 </head>
```

```
41  <body>
42
43  <h2>Vertical Navigation Bar</h2>
44  <p>In this example, we center the navigation links and add a border to the
45  navigation bar.</p>
46
47  <ul>
48    <li><a class="active" href="#home">Home</a></li>
49    <li><a href="#news">News</a></li>
50    <li><a href="#contact">Contact</a></li>
51    <li><a href="#about">About</a></li>
52  </ul>
53
54  </body>
    </html>
```

Fixed Full height side navigation bar:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  body {
6    margin: 0;
7  }
8
9  ul {
10   list-style-type: none;
11   margin: 0;
12   padding: 0;
13   width: 25%;
14   background-color: #f1f1f1;
15   position: fixed;
16   height: 100%;
17   overflow: auto;
18 }
19
20 li a {
21   display: block;
22   color: #000;
23   padding: 8px 16px;
24   text-decoration: none;
25 }
26
27 li a.active {
28   background-color: #04AA6D;
29   color: white;
30 }
31
32 li a:hover:not(.active) {
33   background-color: #555;
34   color: white;
35 }
36 </style>
37 </head>
38 <body>
39
40 <ul>
```

```

41     <li><a class="active" href="#home">Home</a></li>
42     <li><a href="#news">News</a></li>
43     <li><a href="#contact">Contact</a></li>
44     <li><a href="#about">About</a></li>
45 </ul>
46
47 <div style="margin-left:25%;padding:1px 16px;height:1000px;">
48     <h2>Fixed Full-height Side Nav</h2>
49     <h3>Try to scroll this area, and see how the sidenav sticks to the
50 page</h3>
51     <p>Notice that this div element has a left margin of 25%. This is because
52 the side navigation is set to 25% width. If you remove the margin, the
53 sidenav will overlay/sit on top of this div.</p>
54     <p>Also notice that we have set overflow:auto to sidenav. This will add a
55 scrollbar when the sidenav is too long (for example if it has over 50 links
56 inside of it).</p>
57     <p>Some text..</p>
58     <p>Some text..</p>
59     <p>Some text..</p>
60     <p>Some text..</p>
61     <p>Some text..</p>
62     <p>Some text..</p>
63     <p>Some text..</p>
64 </div>
65
66 </body>
67 </html>

```

Horizontal navbar example:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      ul {
6          list-style-type: none;
7          margin: 0;
8          padding: 0;
9          overflow: hidden;
10         background-color: #333;
11     }
12
13     li {
14         float: left;
15     }
16
17     li a {
18         display: block;
19         color: white;
20         text-align: center;
21         padding: 14px 16px;
22         text-decoration: none;
23     }
24
25     li a:hover:not(.active) {
26         background-color: #111;
27     }
28
29     .active {
30         background-color: #04AA6D;
31     }
32 </style>
33 </head>
34 <body>
35
36 <ul>
37     <li><a class="active" href="#home">Home</a></li>
38     <li><a href="#news">News</a></li>
39     <li><a href="#contact">Contact</a></li>
40     <li><a href="#about">About</a></li>
```



```
41     </ul>
42
43     </body>
44     </html>
```

Border Dividers:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  ul {
6      list-style-type: none;
7      margin: 0;
8      padding: 0;
9      overflow: hidden;
10     background-color: #333;
11 }
12
13 li {
14     float: left;
15     border-right: 1px solid #bbb;
16 }
17
18 li:last-child {
19     border-right: none;
20 }
21
22 li a {
23     display: block;
24     color: white;
25     text-align: center;
26     padding: 14px 16px;
27     text-decoration: none;
28 }
29
30 li a:hover:not(.active) {
31     background-color: #111;
32 }
33
34 .active {
35     background-color: #04AA6D;
36 }
37 </style>
38 </head>
39 <body>
40
```

```
41     <ul>
42         <li><a class="active" href="#home">Home</a></li>
43         <li><a href="#news">News</a></li>
44         <li><a href="#contact">Contact</a></li>
45         <li style="float:right"><a href="#about">About</a></li>
46     </ul>
47
48     </body>
49     </html>
```

Fixed navigation bar:

```
1      <!DOCTYPE html>
2      <html>
3      <head>
4      <style>
5      body {margin:0;}
6
7      ul {
8          list-style-type: none;
9          margin: 0;
10         padding: 0;
11         overflow: hidden;
12         background-color: #333;
13         position: fixed;
14         top: 0;
15         width: 100%;
16     }
17
18     li {
19         float: left;
20     }
21
22     li a {
23         display: block;
24         color: white;
25         text-align: center;
26         padding: 14px 16px;
27         text-decoration: none;
28     }
29
30     li a:hover:not(.active) {
31         background-color: #111;
32     }
33
34     .active {
35         background-color: #04AA6D;
36     }
37 </style>
38 </head>
39 <body>
40
```

```
41 <ul>
42   <li><a class="active" href="#home">Home</a></li>
43   <li><a href="#news">News</a></li>
44   <li><a href="#contact">Contact</a></li>
45   <li><a href="#about">About</a></li>
46 </ul>
47
48 <div
49 style="padding:20px;margin-top:30px;background-color:#1abc9c;height:
50 1500px;">
51   <h1>Fixed Top Navigation Bar</h1>
52   <h2>Scroll this page to see the effect</h2>
53   <h2>The navigation bar will stay at the top of the page while
54 scrolling</h2>
55
56   <p>Some text some text some text some text..</p>
57   <p>Some text some text some text some text..</p>
58   <p>Some text some text some text some text..</p>
59   <p>Some text some text some text some text..</p>
60   <p>Some text some text some text some text..</p>
61   <p>Some text some text some text some text..</p>
62   <p>Some text some text some text some text..</p>
63   <p>Some text some text some text some text..</p>
64   <p>Some text some text some text some text..</p>
65   <p>Some text some text some text some text..</p>
66   <p>Some text some text some text some text..</p>
67   <p>Some text some text some text some text..</p>
68   <p>Some text some text some text some text..</p>
69   <p>Some text some text some text some text..</p>
70   <p>Some text some text some text some text..</p>
71   <p>Some text some text some text some text..</p>
72   <p>Some text some text some text some text..</p>
73   <p>Some text some text some text some text..</p>
74   <p>Some text some text some text some text..</p>
75   <p>Some text some text some text some text..</p>
76 </div>
</body>
</html>
```

Dropdown menu:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  .dropbtn {
6      background-color: #4CAF50;
7      color: white;
8      padding: 16px;
9      font-size: 16px;
10     border: none;
11     cursor: pointer;
12 }
13
14 .dropdown {
15     position: relative;
16     display: inline-block;
17 }
18
19 .dropdown-content {
20     display: none;
21     position: absolute;
22     background-color: #f9f9f9;
23     min-width: 160px;
24     box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
25     z-index: 1;
26 }
27
28 .dropdown-content a {
29     color: black;
30     padding: 12px 16px;
31     text-decoration: none;
32     display: block;
33 }
34
35 .dropdown-content a:hover {background-color: #f1f1f1}
36
37 .dropdown:hover .dropdown-content {
38     display: block;
39 }
40
```

```
41  .dropdown:hover .dropbtn {
42    background-color: #3e8e41;
43  }
44  </style>
45  </head>
46  <body>
47
48  <h2>Dropdown Menu</h2>
49  <p>Move the mouse over the button to open the dropdown menu.</p>
50
51  <div class="dropdown">
52    <button class="dropbtn">Dropdown</button>
53    <div class="dropdown-content">
54      <a href="#">Link 1</a>
55      <a href="#">Link 2</a>
56      <a href="#">Link 3</a>
57    </div>
58  </div>
59
60  <p><strong>Note:</strong> We use href="#" for test links. In a real web
61  site this would be URLs.</p>
62
63  </body>
    </html>
```

Dropdown navbar:



```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  ul {
6      list-style-type: none;
7      margin: 0;
8      padding: 0;
9      overflow: hidden;
10     background-color: #333;
11 }
12
13 li {
14     float: left;
15 }
16
17 li a, .dropbtn {
18     display: inline-block;
19     color: white;
20     text-align: center;
21     padding: 14px 16px;
22     text-decoration: none;
23 }
24
25 li a:hover, .dropdown:hover .dropbtn {
26     background-color: red;
27 }
28
29 li.dropdown {
30     display: inline-block;
31 }
32
33 .dropdown-content {
34     display: none;
35     position: absolute;
36     background-color: #f9f9f9;
37     min-width: 160px;
38     box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
39     z-index: 1;
40 }
```

```
41
42 .dropdown-content a {
43     color: black;
44     padding: 12px 16px;
45     text-decoration: none;
46     display: block;
47     text-align: left;
48 }
49
50 .dropdown-content a:hover {background-color: #f1f1f1;}
51
52 .dropdown:hover .dropdown-content {
53     display: block;
54 }
55 </style>
56 </head>
57 <body>
58
59 <ul>
60     <li><a href="#home">Home</a></li>
61     <li><a href="#news">News</a></li>
62     <li class="dropdown">
63         <a href="javascript:void(0)" class="dropbtn">Dropdown</a>
64         <div class="dropdown-content">
65             <a href="#">Link 1</a>
66             <a href="#">Link 2</a>
67             <a href="#">Link 3</a>
68         </div>
69     </li>
70 </ul>
71
72 <h3>Dropdown Menu inside a Navigation Bar</h3>
73 <p>Hover over the "Dropdown" link to see the dropdown menu.</p>
74
75 </body>
76 </html>
```