

Lists are very helpful in conveying a set of either numbered or bullet points. This chapter teaches you how to control list type, position, style, etc., using CSS.

We have the following five CSS properties, which can be used to control lists:

- The **list-style-type** allows you to control the shape or appearance of the marker.
- The **list-style-position** specifies whether a long point that wraps to a second line should align with the first line or start underneath the start of the marker.
- The **list-style-image** specifies an image for the marker rather than a bullet point or number.
- The **list-style** serves as shorthand for the preceding properties.
- The **marker-offset** specifies the distance between a marker and the text in the list.

Now, we will see how to use these properties with examples.

The list-style-type Property

The *list-style-type* property allows you to control the shape or style of bullet point *alsoknownasamarker* in the case of unordered lists and the style of numbering characters in ordered lists.

Here are the values which can be used for an unordered list –

Value	Description
none	NA
disc <i>default</i>	A filled-in circle
circle	An empty circle
square	A filled-in square

Here are the values, which can be used for an ordered list –

Value	Description	Example
decimal	Number	1,2,3,4,5
decimal-leading-zero	0 before the number	01, 02, 03, 04, 05
lower-alpha	Lowercase alphanumeric characters	a, b, c, d, e
upper-alpha	Uppercase alphanumeric characters	A, B, C, D, E
lower-roman	Lowercase Roman numerals	i, ii, iii, iv, v
upper-roman	Uppercase Roman numerals	I, II, III, IV, V
lower-greek	The marker is lower-greek	alpha, beta, gamma
lower-latin	The marker is lower-latin	a, b, c, d, e
upper-latin	The marker is upper-latin	A, B, C, D, E

hebrew	The marker is traditional Hebrew numbering	
armenian	The marker is traditional Armenian numbering	
georgian	The marker is traditional Georgian numbering	
cjk-ideographic	The marker is plain ideographic numbers	
hiragana	The marker is hiragana	a, i, u, e, o, ka, ki
katakana	The marker is katakana	A, I, U, E, O, KA, KI
hiragana-iroha	The marker is hiragana-iroha	i, ro, ha, ni, ho, he, to
katakana-iroha	The marker is katakana-iroha	I, RO, HA, NI, HO, HE, TO

Here is an example –

```
<html>
  <head>
  </head>

  <body>
    <ul style="list-style-type:circle;">
      <li>Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ul>

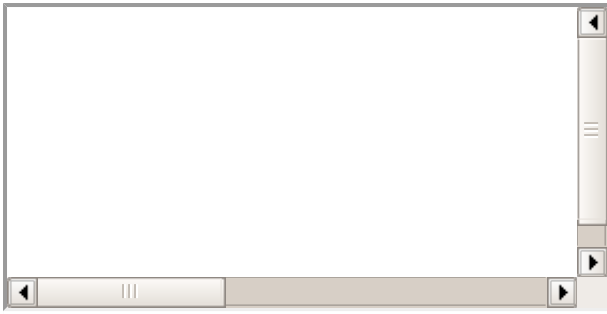
    <ul style="list-style-type:square;">
      <li>Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ul>

    <ol style="list-style-type:decimal;">
      <li>Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ol>

    <ol style="list-style-type:lower-alpha;">
      <li>Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ol>

    <ol style="list-style-type:lower-roman;">
      <li>Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ol>
  </body>
</html>
```

It will produce the following result –



The list-style-position Property

The *list-style-position* property indicates whether the marker should appear inside or outside of the box containing the bullet points. It can have one the two values –

Value	Description
none	NA
inside	If the text goes onto a second line, the text will wrap underneath the marker. It will also appear indented to where the text would have started if the list had a value of outside.
outside	If the text goes onto a second line, the text will be aligned with the start of the first line <i>totherightofthebullet.</i>

Here is an example –

```
<html>
<head>
</head>

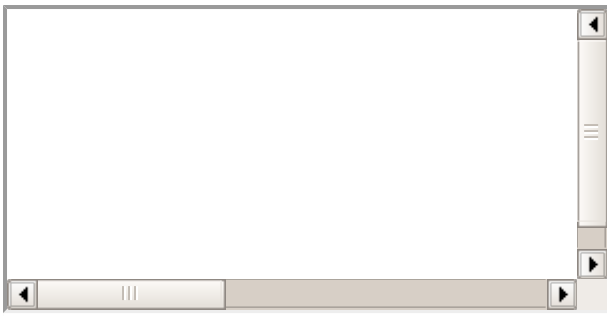
<body>
  <ul style="list-style-type:circle; list-style-position:outside;">
    <li>Maths</li>
    <li>Social Science</li>
    <li>Physics</li>
  </ul>

  <ul style="list-style-type:square;list-style-position:inside;">
    <li>Maths</li>
    <li>Social Science</li>
    <li>Physics</li>
  </ul>

  <ol style="list-style-type:decimal;list-style-position:outside;">
    <li>Maths</li>
    <li>Social Science</li>
    <li>Physics</li>
  </ol>

  <ol style="list-style-type:lower-alpha;list-style-position:inside;">
    <li>Maths</li>
    <li>Social Science</li>
    <li>Physics</li>
  </ol>
</body>
</html>
```

It will produce the following result –



The list-style-image Property

The *list-style-image* allows you to specify an image so that you can use your own bullet style. The syntax is similar to the background-image property with the letters url starting the value of the property followed by the URL in brackets. If it does not find the given image then default bullets are used.

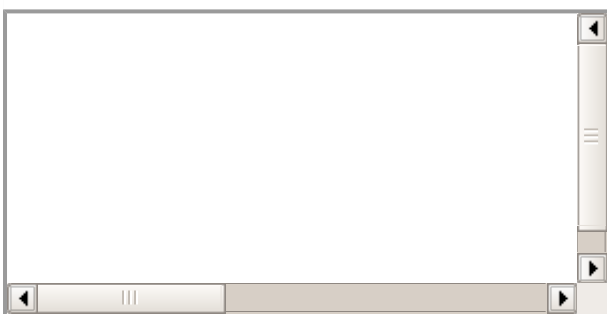
Here is an example –

```
<html>
  <head>
  </head>

  <body>
    <ul>
      <li style="list-style-image: url(/images/bullet.gif);">Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ul>

    <ol>
      <li style="list-style-image: url(/images/bullet.gif);">Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ol>
  </body>
</html>
```

It will produce the following result –



The list-style Property

The *list-style* allows you to specify all the list properties into a single expression. These properties can appear in any order.

Here is an example –

```
<html>
  <head>
  </head>

  <body>
    <ul style="list-style: inside square;">
      <li>Maths</li>
    </ul>
  </body>
</html>
```

```

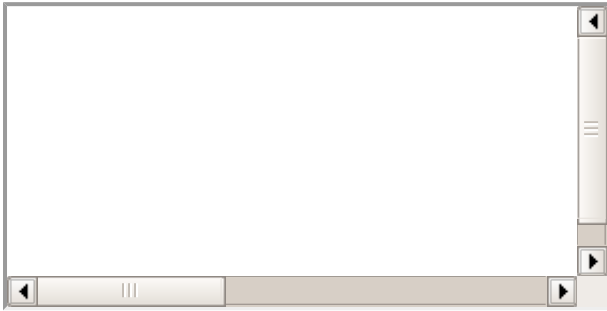
        <li>Social Science</li>
        <li>Physics</li>
    </ul>

    <ol style="list-style: outside upper-alpha;">
        <li>Maths</li>
        <li>Social Science</li>
        <li>Physics</li>
    </ol>
</body>

</html>

```

It will produce the following result –



The marker-offset Property

The *marker-offset* property allows you to specify the distance between the marker and the text relating to that marker. Its value should be a length as shown in the following example –

Unfortunately, this property is not supported in IE 6 or Netscape 7.

Here is an example –

```

<html>
  <head>
  </head>

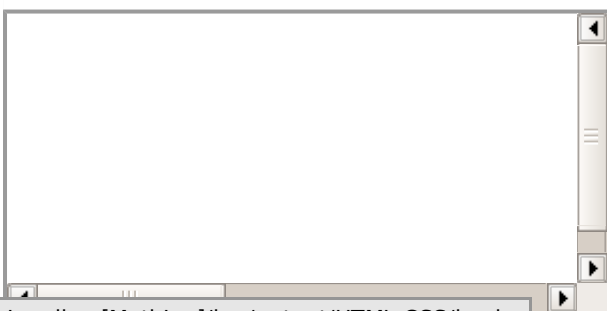
  <body>
    <ul style="list-style: inside square; marker-offset:2em;">
      <li>Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ul>

    <ol style="list-style: outside upper-alpha; marker-offset:2cm;">
      <li>Maths</li>
      <li>Social Science</li>
      <li>Physics</li>
    </ol>
  </body>

</html>

```

It will produce the following result –



Loading [Mathjax]/jax/output/HTML-CSS/jax.js