



CSS Positioning Elements

Difficulty Level : Easy • Last Updated : 05 Jul, 2022

The **position** property in CSS tells about the method of positioning for an element or an HTML entity. There are five different types of position property available in CSS:

- Fixed
- Static
- Relative
- Absolute
- Sticky

The positioning of an element can be done using the *top*, *right*, *bottom*, and *left* properties. These specify the distance of an HTML element from the edge of the viewport. To set the position by these four properties, we have to declare the positioning method. Let's understand each of these position methods in detail:

Fixed: Any HTML element with **position: fixed** property will be positioned relative to the viewport. An element with fixed positioning allows it to remain at the same position even we scroll the page. We can set the position of the element using the top, right, bottom, left.

Example: The below example illustrates the CSS positioning element by using the *position: fixed* property.

HTML

```
<!DOCTYPE html>  
<html>
```

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```

}

.fixed {
  position: fixed;
  background: #cc0000;
  color: #ffffff;
  padding: 30px;
  top: 50;
  left: 10;
}

span {
  padding: 5px;
  border: 1px #ffffff dotted;
}
</style>
</head>

<body>
  <div class="fixed">This div has
    <span>position: fixed;</span>
  </div>
  <pre>

```

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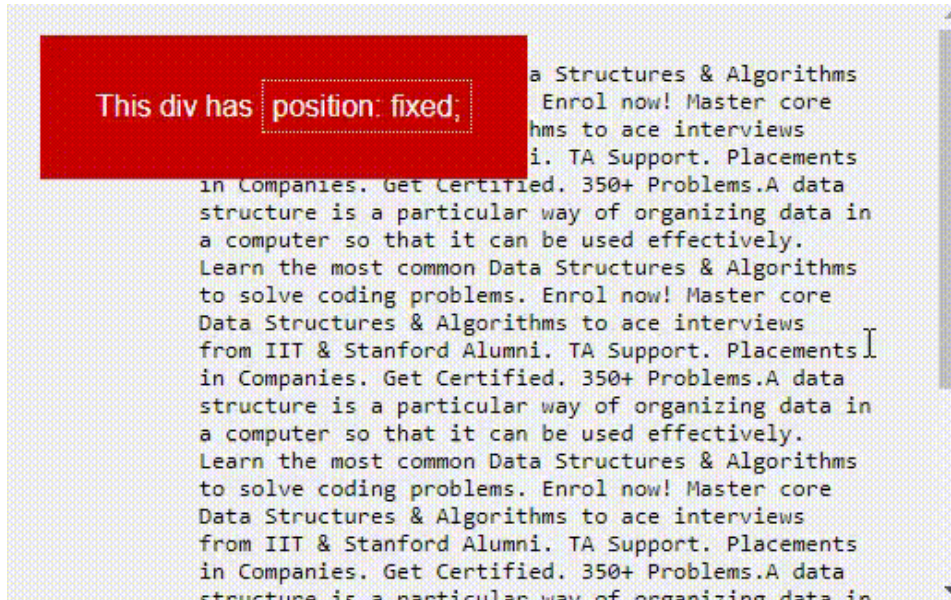
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```
</html>
```

Output:



Static: This method of positioning is set by default. If we don't mention the method of positioning for any element, the element has the **position: static** method by default. By defining Static, the top, right, bottom and left will not have any control over the element. The element will be positioned with the normal flow of the page.

Example: The below example illustrates the CSS positioning element by using the *position: static* property.

HTML

```
<!DOCTYPE html>
<html>

<head>
  <title> CSS Positioning Element</title>
  <style>
    body {
      margin: 0;
      padding: 20px.
```

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```
        color: #ffffff;
        padding: 30px;
    }

    span {
        padding: 5px;
        border: 1px #ffffff dotted;
    }
</style>
</head>

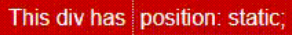
<body>
    <div class="static">
        This div has
        <span>position: static;</span>
    </div>
    <pre>
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    </pre>
```

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Example: The below example illustrates the CSS positioning element by using the *position: relative* property. In the below illustration the top and left coordinates of the div are each to 100px.

```
<!DOCTYPE html>
<html>
<head>
  <title> CSS Positioning Element</title>
  <style>
    body {
      margin: 0;
      padding: 20px;
      font-family: sans-serif;
      background: #efefef;
    }
  </style>

```

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```

span {
  padding: 5px;
  border: 1px #ffffff dotted;
}
</style>
</head>

<body>
  <pre>
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    a computer so that it can be used effectively.
    <div class="relative">
      This div has <span>position: relative;</span>
    </div>
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    structure is a particular way of organizing data in
    a computer so that it can be used effectively.
  </pre>
</body>

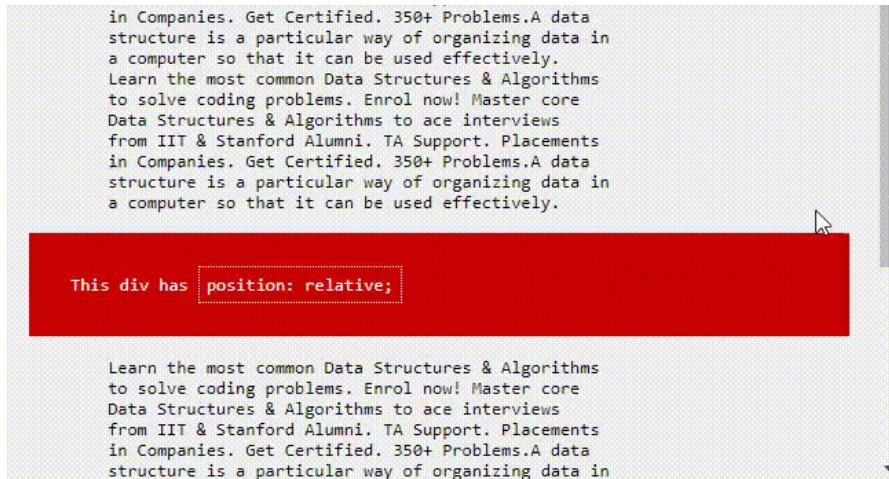
</html>

```

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Absolute: An element with **position: absolute** will be positioned with respect **to its nearest Non-static ancestor**. The positioning of this element does not depend upon its siblings or the elements which are at the same level.

Example: The below example illustrates the CSS positioning element by using the *position: absolute* property.

HTML

```
<!DOCTYPE html>
<html>

<head>
  <title> CSS Positioning Element</title>
  <style>
    body {
      margin: 0;
      padding: 20px;
      font-family: sans-serif;
      background: #efefef;
    }

    .absolute {
      position: absolute;
      background: #cc0000;
      color: #ffffff;
      padding: 30px;
      font-size: 15px;
      bottom: 20px;
```

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```

    font-size: 30px;
    border: 1px solid #121212;
    text-align: center;
}

span {
    padding: 5px;
    border: 1px #ffffff dotted;
}

pre {
    padding: 20px;
    border: 1px solid #000000;
}
</style>
</head>

<body>
    <pre>
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        structure is a particular way of organizing data in
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        <div class="relative">
            <div >
                This div has
                <span>
                    <strong>position: relative;</strong>
                </span>
            </div>
            <div class="absolute">
                This div has
                <span>
                    <strong>position: absolute;</strong>
                </span>
            </div>
        </div>
    </pre>

```

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a computer so that it can be used effectively.

```
</pre>
</body>

</html>
```

Output:

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This div has **position: relative;**

This div has **position: absolute;**

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Sticky: Element with **position: sticky** and **top: 0** played a role between **fixed & relative** based on the position where it is placed. If the element is placed at the middle of the document then when the user scrolls the document, the sticky element starts scrolling until it touches the top. When it touches the top, it will be fixed at that place in spite of further scrolling. We can stick the element at the bottom, with the **bottom** property.

Example: The below example illustrates the CSS positioning element by using the *position: sticky* property.

HTML

```
<!DOCTYPE html>
<html>

<head>
  <title> CSS Positioning Element</title>
  <style>
    body {
      margin: 0;
      padding: 20px;
      font-family: sans-serif;
      background: #efefef;
    }

    .sticky {
      position: sticky;
```

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```

span {
  padding: 5px;
  border: 1px #ffffff dotted;
}

pre {
  padding: 20px;
  border: 1px solid #000000;
}
</style>
</head>

<body>
  <pre>
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    <div class="sticky">
      This div has <span>position: sticky;</span>
    </div>
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```

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```
</pre>
```

```
</body>
```

```
</html>
```

Output:



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