

## **CSS Position**

- Generally, elements are placed according to the document layout flow.
- Position allows to make element behave differently and take them out of the document flow.
- CSS Positions are defined by using “position” style attribute.

### **Static Position:**

- It is according to the normal flow of document.
- It is the default position for every element.
- It will not have any effect on the element position.
- Static position is not affected by top, right, bottom, left and z-index attributes.

Ex:

```
p {  
    position: static;  
    right: 10px;  
}
```

### **Sticky Position:**

- Element is positioned according to the normal flow of document.
- It can make the content sticky after scrolling to the specified margin.
- It required the margins to define and position by using left, right, top or bottom.

Ex:

```
<!DOCTYPE html>
```

```
<html>
  <head>
    <title>Static Position</title>
    <style>
      h2 {
        position: sticky;
        top:0px;
        background-color: yellow;
      }
    </style>
  </head>
  <body>
```

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```
<h2>HTML Tutorial</h2>
```

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</body>

</html>

Ex: Accordion Sticky

<!DOCTYPE html>

<html>

<head>

<title>Accordion Stick</title>

<style>

dt {

background-color: black;

color:white;

padding: 10px;

position: sticky;

top:0px;

left:0px;

margin:1em 0;

}

</style>

</head>

<body>

<h1>Web Technologies</h1>

<dl>

<dt>HTML</dt>

<dd>Normal Elements</dd>

<dd>Void Elements</dd>

<dd>RC Data Elements</dd>

<dd>Raw Text Elements</dd>

<dd>Normal Elements</dd>

<dd>Void Elements</dd>

<dd>RC Data Elements</dd>

<dd>Raw Text Elements</dd>

<dd>Normal Elements</dd>

<dd>Void Elements</dd>

<dd>RC Data Elements</dd>

<dd>Raw Text Elements</dd>

<dd>Normal Elements</dd>

<dd>Void Elements</dd>

<dd>RC Data Elements</dd>

<dd>Raw Text Elements</dd>

<dd>Normal Elements</dd>

<dd>Void Elements</dd>

<dd>RC Data Elements</dd>  
<dd>Raw Text Elements</dd>  
<dd>Normal Elements</dd>  
<dd>Void Elements</dd>  
<dd>RC Data Elements</dd>  
<dd>Raw Text Elements</dd>  
<dt>JavaScript</dt>  
<dd>Variable</dd>  
<dd>DataTypes</dd>  
<dd>Operators</dd>  
<dd>Statements</dd>  
<dd>Variable</dd>  
<dd>DataTypes</dd>  
<dd>Operators</dd>  
<dd>Statements</dd>  
<dd>Variable</dd>  
<dd>DataTypes</dd>  
<dd>Operators</dd>  
<dd>Statements</dd>  
<dd>Variable</dd>  
<dd>DataTypes</dd>  
<dd>Operators</dd>  
<dd>Statements</dd>  
<dd>Variable</dd>

<dd>DataTypes</dd>  
<dd>Operators</dd>  
<dd>Statements</dd>  
<dt>CSS </dt>  
<dd>Selectors</dd>  
<dd>Units</dd>  
<dd>Positions</dd>  
<dd>Box Layout</dd>  
<dd>Selectors</dd>  
<dd>Units</dd>  
<dd>Positions</dd>  
<dd>Box Layout</dd>  
<dd>Selectors</dd>  
<dd>Units</dd>  
<dd>Positions</dd>  
<dd>Box Layout</dd>  
<dd>Selectors</dd>  
<dd>Units</dd>  
<dd>Positions</dd>  
<dd>Box Layout</dd>  
<dd>Selectors</dd>  
<dd>Units</dd>  
<dd>Positions</dd>  
<dd>Box Layout</dd>



```
<dd>Selectors</dd>
<dd>Units</dd>
<dd>Positions</dd>
<dd>Box Layout</dd>
</dl>
</body>
</html>
```

### **Fixed Position:**

- The element is removed from normal document flow.
- Element is no longer a part of DOM flow.
- Its position is fixed with left, right, top and bottom attributes.
- It will not move from the position defined.
- It locks the component at fixed position on page.

Ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Fixed Position</title>
    <link rel="stylesheet" href="../Fonts/css/all.css">
    <style>
      div {
        border: 2px solid;
        padding: 10px;
      }
      aside {
```

```
width: 200px;
padding: 10px;
height: 30px;
border: 3px solid darkred;
background-color: darkolivegreen;
color: white;
text-align: center;
position: fixed;
top: 100px;
right: 100px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div>
```

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<aside>

<span class="fa fa-shopping-cart"></span> Your Cart Items

</aside>

</div>

</body>

</html>

## Relative Position

- It according to the normal document flow.
- Its position will be relative to adjacent or parent element.
- It is from the parent or from adjacent.

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Fixed Position</title>
```

```
    <link rel="stylesheet" href="../Fonts/css/all.css">
```

```
    <style>
```

```
      .box1, .box2, .box3 {
```

```
        width: 200px ;
```

```
        height: 100px;
```

```
        background-color: yellow;
```

```
        border:1px solid black;
```

```
      }
```

```
      .box2 {
```

```
        position: relative;
```

```
        margin-left: 30px;
```

```
      }
```

```
      .boxinner {
```

```
        position: relative;
```

```
        margin-left: 30px;
```

```
        border:2px solid;
        height: 100px;
    }
    .container {
        margin-left: 60px;
        border:1px solid;
    }
</style>
</head>
<body>
    <div class="container">
        <div class="box1">

            </div>

            <div class="box2">
                <div class="boxinner">

                    </div>

                </div>

                <div class="box3">

                    </div>

                </div>
            </div>
</body>
```

</html>

## **Position Absolute**

- The element is removed from the normal document flow.
- It is positioned relative to its closest element.
- It is affected by using left, right, top and bottom values.

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Absolute Position</title>
```

```
<style>
```

```
#container {
```

```
    border:2px solid;
```

```
    background-color: yellow;
```

```
}
```

```
aside {
```

```
    position: absolute;
```

```
    border:1px dotted;
```

```
    width: 100px;
```

```
    top:100px;
```

```
    right: 10px;
```

```
}
```

```
#ads {
```

```
    width: 200px;
```

```
        height: 300px;
        position: absolute;
        border: 1px double;
    }
    #adsInner {
        position: absolute;
        width: 150px;
        height: 150px;
        border: 2px solid;
    }
</style>
</head>
<body>
    <div id="container">
        <p>some text..</p>
        <div id="ads">
            Parent
            <div id="adsInner">
                Child
                <aside>Ads here..</aside>
            </div>
        </div>
    </div>
</div>
</body>
```

</html>