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
<html>
  <head>
    <title>Static Position</title>
    <style>
      h2 {
        position: sticky;
        top:0px;
        background-color: yellow;
      }
    </style>
  </head>
  <body>
    <p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>
    <h2>HTML Tutorial</h2>
    <p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>
```

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software

with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of

business is located, one of its affiliates) if you acquired the software from a retailer.</p>

         <p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

    </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;
      }
```

```html
    </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>
```

```html
<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>
```

```html
<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>

        <p>Depending on how you obtained the Windows software,
this is a license agreement between (i) you and the device
manufacturer or software installer that distributes the software
with your device; or (ii) you and Microsoft Corporation (or, based
on where you live or, if a business, where your principal place of
business is located, one of its affiliates) if you acquired the
software from a retailer.</p>

        <p>Depending on how you obtained the Windows software,
this is a license agreement between (i) you and the device
manufacturer or software installer that distributes the software
with your device; or (ii) you and Microsoft Corporation (or, based
on where you live or, if a business, where your principal place of
```

business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

    <aside>

       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>

</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;
```

```html
        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>

</body>
```

</html>