

## Floats in CSS3

- The CSS "float" property specifies whether a box (container) should float or not.
- The float property defines the flow of content.
- The CSS "float" property is a positioning property.
- It is used to push an element to the left or right, allowing other elements to wrap around it.
- Elements are floated only horizontally, so it is possible only to float elements left or right, not up or down.
- This property is generally used with images and layouts.
- A floated element is taken out of the normal flow and shifted to the left or right as far as possible in the space available of the containing element.
- If several floating elements are placed adjacently, they will float next to each other if there is horizontal room. If there is not enough room for the float, it is shifted downward until either it fits or there are no more floating elements present.

### How Float Works

- A floated element may be moved as far to the left or the right as possible. Simply, it means that a floated element can display at extreme left or extreme right.
- The elements after the floating element will flow around it.
- The elements before the floating element will not be affected.
- If the image floated to the right, the texts flow around it, to the left and if the image floated to the left, the text flows around it, to the right.

### Syntax


```
div
{
    float : value;
}
```

where,

value = left, right, initial, inherit & none.

### Example -- With Text

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1 {
      width: 400px;
      height: 400px;
      background-color: red;
      float: left;
      margin-right: 10px;
    }
  </style>
</head>
<body>
  <div class="div1"> </div>
  <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Asperiores architecto
aliquid excepturi atque ea unde repellat consequatur exercitationem, qui labore
doloremque obcaecati placeat eos natus quos quam numquam deleniti, dicta ullam
corrupti accusantium debitis dolores ut eligendi. Architecto nihil similique dolores
nesciunt earum facere accusantium facilis cum consectetur ipsam debitis molestiae
natus, id placeat quae quam illo ratione pariat iusto. Labore quis laborum obcaecati
blanditiis vel dolor suscipit deserunt molestiae nobis adipisci consectetur magnam sequi
autem perferendis deleniti porro voluptas, necessitatibus explicabo maiores saepe?
Perferendis odit ab hic numquam libero e sint laboriosam ducimus eius. Eius, aperiam
adipisci. Aliquam est beatae omnis quae corporis? Quas aperiam accusamus atque
corrupti hic quasi ut molestias doloribus eaque sequi quaerat adipisci inventore ex,
aliquam possimus perspiciatis alias rem est non repellat ad ipsa exercitationem? A sunt
itaque nostrum ullam?</p>
</body>
</html>
```

The logo for 'Learn 2 Earn Labs' is positioned in the background. It features the word 'LEARN' in large, light blue, sans-serif capital letters. To its right is a white hexagon containing a large red number '2'. Further right is the word 'EARN' in the same light blue, sans-serif capital letters. Below 'LEARN' and 'EARN' is the word 'LABS' in a smaller, grey, sans-serif font. A thin grey horizontal line with a small circle at its right end passes behind the hexagon.

### Example -- With Boxed Entity

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1
    {
      width: 400px;
      height: 400px;
      background-color: red;
      float: left;
      margin-top: 50px;
    }
    .div2
    {
      width: 600px;
      height: 400px;
      background-color: blue;
      border: 4px solid black;
    }
  </style>
</head>
<body>

  <h1 align="center">Float makes boxed entity one over other</h1>

  <div class="div1"> </div>
  <div class="div2"> </div>

</body>
</html>
```

### Example -- With boxed & text content

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1
    {
      width: 400px;
      height: 500px;
      background-color: red;
      float: left;
      margin-top: 50px;
    }
    .div2
    {
      width: 600px;
      height: 400px;
      background-color: blue;
      border: 4px solid black;
    }
    p
    {
      background-color: green;
      color: white;
      border: 10px solid indigo;
    }
  </style>
</head>
<body>

<h1 align="center">Float makes boxed entity one over other except texts</h1>
```

<div class="div1"> </div>

<div class="div2"> </div>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Maxime itaque repellat omnis quidem est. Nisi maxime inventore quo repellat optio ea expedita! Et dolorem sit incidunt? Illum amet, hic debitis vel alias repellendus labore incidunt dolor corrupti autem possimus, animi, asperiores odio at quas quaerat. Laborum autem, vero delectus, doloremque in voluptate hic illum nisi itaque voluptas, a repellat quo ducimus fugit incidunt eos similique nesciunt quas voluptatem ullam atque accusantium aspernatur. Placeat laborum officiis nam sapiente fuga quam molestias unde odio expedita porro ipsam ex explicabo voluptatum laboriosam voluptatibus, nihil cum exercitationem aut obcaecati maiores? Praesentium ut vitae aspernatur, eligendi a suscipit laudantium aliquid beatae officiis ducimus cupiditate odio amet placeat ab impedit atque aperiam quam unde? At harum modi ipsum. Cupiditate ad voluptatem fuga repudiandae ea aperiam eligendi quasi dolorem, assumenda saepe? Blanditiis, totam quasi. Eveniet architecto quia dolor voluptatum molestiae ipsam aspernatur amet, veritatis perferendis debitis aliquam illum, minima iste. Assumenda cupiditate odit illum praesentium debitis doloremque maiores rerum itaque quia asperiores harum sunt rem eos, adipisci voluptatibus veritatis et odio. Alias, nam? Assumenda praesentium minima, ea doloribus reprehenderit tempora aliquam laboriosam impedit eum perspiciatis quam. Minus natus a id iste perspiciatis consequatur! Quos accusantium laboriosam nisi!</p>

</body>

</html>

LABS

### Example -- Without Float

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1 {
      width: 400px;
      height: 300px;
      background-color: red;
      float: left;
      color: white;
      border: 4px solid black;
    }
    .div2 {
      width: 400px;
      height: 300px;
      background-color: blue;
      border: 4px solid black;
      color: white;
      float: right;
    }
    .text {
      background-color: green;
      color: white;
    }
  </style>
</head>
<body>
  <h1 align="center">Float makes boxed entity one over other except texts</h1>
  <div class="div1">
```

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. A sed neque, repellat excepturi modi consequuntur omnis eligendi, ea culpa saepe accusamus dolores non quam officiis consectetur perspiciatis quaerat! Officiis ullam soluta magnam velit consequuntur, quidem eos itaque illum eligendi voluptates a quas ad in quam dolorem facere, molestiae rerum cum placeat quae perferendis provident. Ratione beatae blanditiis molestiae, consequuntur ipsa exercitationem distinctio doloremque nam at rerum, dignissimos, repudiandae voluptatum deserunt mollitia harum veniam numquam? Eaque eligendi reprehenderit exercitationem eos deleniti, adipisci rem similique! Qui obcaecati soluta deleniti perferendis est et? Consequatur atque laudantium perspiciatis voluptatum, saepe harum. Exercitationem, vitae pariatur!</p>

</div>

<div class="div2">

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. A sed neque, repellat excepturi modi consequuntur omnis eligendi, ea culpa saepe accusamus dolores non quam officiis consectetur perspiciatis quaerat! Officiis ullam soluta magnam velit consequuntur, quidem eos itaque illum eligendi voluptates a quas ad in quam dolorem facere, molestiae rerum cum placeat quae perferendis provident. Ratione beatae blanditiis molestiae, consequuntur ipsa exercitationem distinctio doloremque nam at rerum, dignissimos, repudiandae voluptatum deserunt mollitia harum veniam numquam? Eaque eligendi reprehenderit exercitationem eos deleniti, adipisci rem similique! Qui obcaecati soluta deleniti perferendis est et? Consequatur atque laudantium perspiciatis voluptatum, saepe harum. Exercitationem, vitae pariatur!</p>

</div>

<p class="text">

Without Float <br><br>

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Id, magnam molestiae voluptatibus tempore numquam ea ipsa ullam provident consequuntur, facere vero in quos placeat quasi voluptatem deleniti nobis aperiam qui veritatis tempora? Adipisci ipsa nobis, et alias tempore officiis soluta reiciendis magnam quaerat quis dolorem eligendi, eveniet perferendis rem dicta? Facere aliquid laboriosam earum amet aliquam sit iste odit ipsa pariatur deserunt velit culpa adipisci itaque vitae, rem obcaecati tempore labore veniam repellat quo reprehenderit ipsam eaque! Qui eaque voluptates necessitatibus unde ipsum deleniti eius soluta, nobis doloremque nisi possimus dolorem illo repellendus reprehenderit, dolor molestias in, culpa iusto sint!</p>

</body>

</html>

### Example -- Without float (needs width)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1 {
      width: 400px;
      height: 300px;
      background-color: red;
      float: left;
      color: white;
      border: 4px solid black;
    }
    .div2 {
      width: 400px;
      height: 300px;
      background-color: blue;
      border: 4px solid black;
      color: white;
      float: right;
    }
    .text {
      background-color: green;
      color: white;
      float: right;
    }
  </style>
</head>
<body>
  <h1 align="center">Float makes boxed entity one over other except texts</h1>
  <div class="div1">
```



<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. A sed neque, repellat excepturi modi consequuntur omnis eligendi, ea culpa saepe accusamus dolores non quam officiis consectetur perspiciatis quaerat! Officiis ullam soluta magnam velit consequuntur, quidem eos itaque illum eligendi voluptates a quas ad in quam dolorem facere, molestiae rerum cum placeat quae perferendis provident. Ratione beatae blanditiis molestiae, consequuntur ipsa exercitationem distinctio doloremque nam at rerum, dignissimos, repudiandae voluptatum deserunt mollitia harum veniam numquam? Eaque eligendi reprehenderit exercitationem eos deleniti, adipisci rem similique! Qui obcaecati soluta deleniti perferendis est et? Consequatur atque laudantium perspiciatis voluptatum, saepe harum. Exercitationem, vitae pariatur!</p>

</div>

<div class="div2">

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. A sed neque, repellat excepturi modi consequuntur omnis eligendi, ea culpa saepe accusamus dolores non quam officiis consectetur perspiciatis quaerat! Officiis ullam soluta magnam velit consequuntur, quidem eos itaque illum eligendi voluptates a quas ad in quam dolorem facere, molestiae rerum cum placeat quae perferendis provident. Ratione beatae blanditiis molestiae, consequuntur ipsa exercitationem distinctio doloremque nam at rerum, dignissimos, repudiandae voluptatum deserunt mollitia harum veniam numquam? Eaque eligendi reprehenderit exercitationem eos deleniti, adipisci rem similique! Qui obcaecati soluta deleniti perferendis est et? Consequatur atque laudantium perspiciatis voluptatum, saepe harum. Exercitationem, vitae pariatur!</p>

</div>

<p class="text">

Without Float <br><br>

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Id, magnam molestiae voluptatibus tempore numquam ea ipsa ullam provident consequuntur, facere vero in quos placeat quasi voluptatem deleniti nobis aperiam qui veritatis tempora? Adipisci ipsa nobis, et alias tempore officiis soluta reiciendis magnam quaerat quis dolorem eligendi, eveniet perferendis rem dicta? Facere aliquid laboriosam earum amet aliquam sit iste odit ipsa pariatur deserunt velit culpa adipisci itaque vitae, rem obcaecati tempore labore veniam repellat quo reprehenderit ipsam eaque! Qui eaque voluptates necessitatibus unde ipsum deleniti eius soluta, nobis doloremque nisi possimus dolorem illo repellendus reprehenderit, dolor molestias in, culpa iusto sint!</p>

</body>

</html>

## Example -- Setting Elements One After Other

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1 {
      width: 400px;
      height: 300px;
      background-color: red;
      float: left;
      color: white;
      border: 4px solid black;
    }
    .div2 {
      width: 400px;
      height: 300px;
      background-color: blue;
      border: 4px solid black;
      color: white;
      float: left;
    }
    .text {
      background-color: green;
      width: 400px;
      height: 300px;
      color: white;
      border: 4px solid black;
      float: left;
    }
  </style>
</head>
<body>
```

```
<h1 align="center">Float makes boxed entity one over other except texts</h1>
```

```
<div class="div1">
```

```
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. A sed neque, repellat  
excepturi modi consequuntur omnis eligendi, ea culpa saepe accusamus dolores non  
quam officiis consectetur perspiciatis quaerat! Officiis ullam soluta magnam velit  
consequuntur, quidem eos itaque illum eligendi voluptates a quas ad in quam dolorem  
facere, molestiae rerum cum placeat quae perferendis provident. Ratione beatae  
blanditiis molestiae, consequuntur ipsa exercitationem distinctio doloremque nam at  
rerum, dignissimos, repudiandae voluptatum deserunt mollitia harum veniam  
numquam? Eaque eligendi reprehenderit exercitationem eos deleniti, adipisci rem  
similique! Qui obcaecati soluta deleniti perferendis est et? Consequatur!</p>
```

```
</div>
```

```
<div class="div2">
```

```
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. A sed neque, repellat  
excepturi modi consequuntur omnis eligendi, ea culpa saepe accusamus dolores non  
quam officiis consectetur perspiciatis quaerat! Officiis ullam soluta magnam velit  
consequuntur, quidem eos itaque illum eligendi voluptates a quas ad in quam dolorem  
facere, molestiae rerum cum placeat quae perferendis provident. Ratione beatae  
blanditiis molestiae, consequuntur ipsa exercitationem distinctio doloremque nam at  
rerum, dignissimos, repudiandae voluptatum deserunt mollitia harum veniam  
numquam? Eaque eligendi reprehenderit exercitationem eos deleniti, adipisci rem  
similique! Qui obcaecati soluta deleniti perferendis est et? Consequatur!</p>
```

```
</div>
```

```
<p class="text">
```

```
  Lorem ipsum dolor sit amet consectetur, adipisicing elit. Id, magnam molestiae  
voluptatibus tempore numquam ea ipsa ullam provident consequuntur, facere vero in  
quos placeat quasi voluptatem deleniti nobis aperiam qui veritatis tempora? Adipisci  
ipsa nobis, et alias tempore officiis soluta reiciendis magnam quaerat quis dolorem  
eligendi, eveniet perferendis rem dicta? Facere aliquid laboriosam earum amet aliquam  
sit iste odit ipsa pariatur deserunt velit culpa adipisci itaque vitae, rem obcaecati  
tempore labore veniam repellat quo reprehenderit ipsam eaque! Qui eaque voluptates  
necessitatibus unde ipsum deleniti eius soluta, nobis doloremque </p>
```

```
</body>
```

```
</html>
```

### Example -- Order in Floats

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .box {
      width: 50px;
      height: 50px;
    }
    .box1 {
      background-color: red;
      float: right;
    }
    .box2 {
      background-color: blue;
    }
    .box3 {
      background-color: green;
    }
    .box4 {
      background-color: yellowgreen;
    }
    .box5 {
      background-color: indigo;
    }
    .box6 {
      background-color: black;
    }
    .box7 {
      background-color: yellow;
    }
  </style>
</html>
```

```
.box8 {  
    background-color: orangered;  
}  
</style>  
</head>  
<body>
```

```
<h1 align="center">Floats With Same Order</h1>
```

```
<div class="box box1"> </div>  
<div class="box box2"> </div>  
<div class="box box3"> </div>  
<div class="box box4"> </div>  
<div class="box box5"> </div>  
<div class="box box6"> </div>  
<div class="box box7"> </div>  
<div class="box box8"> </div>
```

```
</body>  
</html>
```

LABS

### Example -- Order in Floats

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .box {
      width: 50px;
      height: 50px;
    }
    .box1 {
      background-color: red;
      float: left;
    }
    .box2 {
      background-color: blue;
    }
    .box3 {
      background-color: green;
    }
    .box4 {
      background-color: yellowgreen;
    }
    .box5 {
      background-color: indigo;
    }
    .box6 {
      background-color: black;
    }
    .box7 {
      background-color: yellow;
    }
  </style>
</html>
```

```
.box8
{
    background-color: orangered;
}
</style>
</head>
<body>

    <h1 align="center">Floats With Same Order</h1>

    <div class="box box1"> </div>
    <div class="box box2"> </div>
    <div class="box box3"> </div>
    <div class="box box4"> </div>
    <div class="box box5"> </div>
    <div class="box box6"> </div>
    <div class="box box7"> </div>
    <div class="box box8"> </div>

</body>
</html>
```

LABS

## Example -- Hidden Child Elements

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
.parent    {
  border: 2px solid black;
  padding: 1%;
  box-sizing: border-box;
}
.parent .child {
  max-width: 400px;
  min-height: 200px;
  background-color: red;
  float: left;
}
  </style>
</head>
<body>

  <h1>CSS "Clearfix" Hack</h1>

  <div class="parent">
    <div class="child"> </div>
  </div>

</body>
</html>
```



### Example -- Responsive Floats

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .box {
      width: 150px;
      height: 150px;
      float: left;
    }
    .box1 {
      background-color: red;
    }
    .box2 {
      background-color: blue;
    }
    .box3 {
      background-color: green;
    }
    .box4 {
      background-color: yellowgreen;
    }
    .box5 {
      background-color: indigo;
    }
    .box6 {
      background-color: black;
    }
    .box7 {
      background-color: yellow;
    }
  </style>
</head>
<body>
  <div>
    <div class="box1"></div>
    <div class="box2"></div>
    <div class="box3"></div>
    <div class="box4"></div>
    <div class="box5"></div>
    <div class="box6"></div>
    <div class="box7"></div>
  </div>
</body>
</html>
```

```
.box8
{
    background-color: orangered;
}
</style>
</head>
<body>

<h1 align="center">Resizing Window To See Effect</h1>

<div class="box box1"> </div>
<div class="box box2"> </div>
<div class="box box3"> </div>
<div class="box box4"> </div>
<div class="box box5"> </div>
<div class="box box6"> </div>
<div class="box box7"> </div>
<div class="box box8"> </div>

</body>
</html>
```

LABS

## Example

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>

    p
    {
      outline : 5px dashed blue;
    }
  </style>
</head>
<body>

  <h1>CSS Outline Property</h1>

  <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Perferendis modi vel
id ab vitae quas laboriosam eos iure quae quibusdam quam repudiandae ullam maxime
voluptas, voluptatibus consequatur delectus amet maiores!</p>

</body>
</html>
```

## Turning off floats by using "Clear" property

- The clear property is used to avoid elements after the floating elements which flow around it.
- Elements that come after the floating element will flow around it.
- The clear property specifies which sides of an element's box other floating elements are not allowed.
- This property can clear an element only from floated boxes within the same block.
- It doesn't clear the element from floated child boxes within the element itself.

### Example -- Before "clear" property

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1 {
      width: 400px;
      background-color: red;
      color: white;
      border: 5px solid black;
      float: left;
    }
    .div2 {
      width: 400px;
      background-color: blue;
      color: white;
      border: 5px solid black;
      float: right;
    }
    .div3 {
      background-color: green;
      color: white;
      border: 5px solid black;
    }
  </style>
```

```
</style>
</head>
<body>
  <div class="div1">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed
  quos est qui temporibus, inventore alias, quasi nobis voluptas doloremque eos dolorem.
  Quas veniam nam, iure quaerat tempore eum, suscipit, iste omnis minima quasi
  magnam! Fuga odio labore velit porro quis, unde voluptates qui assumenda cupiditate
  totam dolor placeat saepe hic beatae eos nisi ipsum odit excepturi ratione reprehenderit
  aliquid iure. Hic ut explicabo architecto odio a modi praesentium adipisci enim
  consequatur vel aliquid repellendus dolorum, tenetur non nemo veniam accusantium
  consectetur? Autem quia optio maxime temporibus molestiae magni tenetur
  consequatur eveniet a accusantium sequi, harum, iusto praesentium consequuntur?
  Assumenda, voluptatem. Lorem ipsum, dolor sit amet consectetur adipisicing elit.
  Accusantium similique nobis eos nemo amet.</div>
  <div class="div2">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed quos
  est qui temporibus, inventore alias, quasi nobis voluptas doloremque eos dolorem. Quas
  veniam nam, iure quaerat tempore eum, suscipit, iste omnis minima quasi magnam!
  Fuga odio labore velit porro quis, unde voluptates qui assumenda cupiditate totam
  dolor placeat saepe hic beatae eos nisi ipsum odit excepturi ratione reprehenderit
  aliquid iure. Hic ut explicabo architecto odio a modi praesentium adipisci enim
  consequatur vel aliquid repellendus dolorum, tenetur non nemo veniam accusantium
  consectetur?</div>
  <div class="div3">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Facere,
  assumenda quia! Provident commodi eligendi doloremque odit error, harum eius,
  aliquam obcaecati, sit sapiente velit? Explicabo reprehenderit, modi provident illo nemo
  architecto nam atque maiores aliquam aliquid veritatis dolores odit dolor accusantium
  necessitatibus sapiente consequuntur, perferendis praesentium, quos facere. Corrupti
  iusto saepe molestias amet ea corporis velit a voluptate, laudantium rem nesciunt atque
  delectus sed sit beatae consequatur, facere qui dicta incidunt odio provident tempore
  necessitatibus exercitationem. Perferendis, recusandae esse magni molestiae pariatur
  perspiciatis! Eaque autem.</div>
</body>
</html>
```

### Example -- After "clear" Property

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1 {
      width: 400px;
      background-color: red;
      color: white;
      border: 5px solid black;
      float: left; }
    .div2 {
      width: 400px;
      background-color: blue;
      color: white;
      border: 5px solid black;
      float: right; }
    .div3 {
      background-color: green;
      color: white;
      border: 5px solid black;
      clear:left;
    }

  </style>
</head>
<body>
  <div class="div1">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed
  quos est qui temporibus, inventore alias, quasi nobis voluptas doloremque eos dolorem.
  Quas veniam nam, iure quaerat tempore eum, suscipit, iste omnis minima quasi
  magnam! Fuga odio labore velit porro quis, unde voluptates qui assumenda cupiditate
  totam dolor placeat saepe hic beatae eos nisi ipsum odit excepturi ratione reprehenderit
```

aliquid iure. Hic ut explicabo architecto odio a modi praesentium adipisci enim consequatur vel aliquid repellendus dolorum, tenetur non nemo veniam accusantium consectetur? Autem quia optio maxime temporibus molestiae magni tenetur consequatur eveniet a accusantium sequi, harum, iusto praesentium consequuntur? Assumenda, voluptatem. Lorem ipsum, dolor sit amet consectetur adipisicing elit. Accusantium similique nobis eos nemo amet.</div>

<div class="div2">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed quos est qui temporibus, inventore alias, quasi nobis voluptas doloremque eos dolorem. Quas veniam nam, iure quaerat tempore eum, suscipit, iste omnis minima quasi magnam! Fuga odio labore velit porro quis, unde voluptates qui assumenda cupiditate totam dolor placeat saepe hic beatae eos nisi ipsum odit excepturi ratione reprehenderit aliquid iure. Hic ut explicabo architecto odio a modi praesentium adipisci enim consequatur vel aliquid repellendus dolorum, tenetur non nemo veniam accusantium consectetur?</div>

<div class="div3">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Facere, assumenda quia! Provident commodi eligendi doloremque odit error, harum eius, aliquam obcaecati, sit sapiente velit? Explicabo reprehenderit, modi provident illo nemo architecto nam atque maiores aliquam aliquid veritatis dolores odit dolor accusantium necessitatibus sapiente consequuntur, perferendis praesentium, quos facere. Corrupti iusto saepe molestias amet ea corporis velit a voluptate, laudantium rem nesciunt atque delectus sed sit beatae consequatur, facere qui dicta incidunt odio provident tempore necessitatibus exercitationem. Perferendis, recusandae esse magni molestiae pariatur perspiciatis! Eaque autem.</div>

</body>

</html>

### Example -- Problem with "clear"

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1
    {
      width: 400px;
      background-color: red;
      color: white;
      border: 5px solid black;
      float: left;
    }

    .div2
    {
      width: 400px;
      background-color: blue;
      color: white;
      border: 5px solid black;
      float: right;
    }

    .div3
    {
      background-color: green;
      color: white;
      border: 5px solid black;
      clear: left;
    }

  </style>
```



</head>

<body>

<div class="div1">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed quos est qui temporibus, inventore alias, quasi nobis voluptas doloremque eos dolorem. Quas veniam nam, iure quaerat tempore eum, suscipit, iste omnis minima quasi magnam! Fuga odio labore velit porro quis, unde voluptates qui assumenda cupiditate totam dolor placeat saepe hic beatae eos nisi ipsum odit excepturi ratione reprehenderit aliquid iure. Hic ut explicabo architecto odio a modi praesentium adipisci enim consequatur vel aliquid repellendus dolorum, tenetur non nemo veniam accusantium consectetur? Autem quia optio maxime temporibus molestiae magni tenetur consequatur eveniet a accusantium sequi, harum, iusto praesentium consequuntur? Assumenda, voluptatem.</div>

<div class="div2">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed quos est qui temporibus, inventore alias, quasi nobis voluptas doloremque eos dolorem. Quas veniam nam, iure quaerat tempore eum, suscipit, iste omnis minima quasi magnam! Fuga odio labore velit porro quis, unde voluptates qui assumenda cupiditate totam dolor placeat saepe hic beatae eos nisi ipsum odit excepturi ratione reprehenderit aliquid iure. Hic ut explicabo architecto odio a modi praesentium adipisci enim consequatur vel aliquid repellendus dolorum, tenetur non nemo veniam accusantium consectetur? Autem quia optio maxime temporibus molestiae magni tenetur consequatur eveniet a accusantium sequi, harum, iusto praesentium consequuntur? Assumenda, voluptatem. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Harum neque quam tempore cum doloremque officiis vero assumenda explicabo quidem libero cupiditate numquam, dolorem atque similique! Alias cupiditate obcaecati ducimus doloribus, delectus quibusdam vitae velit, facilis possimus earum libero, eaque impedit nihil molestias nam numquam molestiae sunt ipsam. Consectetur, sapiente? Debitis, ipsa ducimus nobis ullam facilis corrupti, amet voluptate nam recusandae numquam magni molestiae soluta blanditiis illo et repudiandae. Fugiat labore molestiae iusto officiis quisquam! Quos rem ipsam quibusdam omnis eaque earum fugit velit id dolorum exercitationem, consectetur cumque dolores? Accusantium, enim odio. Hic, similique harum? A necessitatibus mollitia fuga ducimus.</div>

<div class="div3">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Facere, assumenda quia! Provident commodi eligendi doloremque odit error, harum eius, aliquam obcaecati, sit sapiente velit? Explicabo reprehenderit, modi provident illo nemo

architecto nam atque maiores aliquam aliquid veritatis dolores odit dolor accusantium necessitatibus sapiente consequuntur, perferendis praesentium, quos facere. Corrupti iusto saepe molestias amet ea corporis velit a voluptate, laudantium rem nesciunt atque delectus sed sit beatae consequatur, facere qui dicta incidunt odio provident tempore necessitatibus exercitationem. Perferendis, recusandae esse magni molestiae pariatur perspiciatis! Eaque autem id dolorum aperiam unde, omnis ab laboriosam aspernatur maiores. Accusantium necessitatibus perspiciatis doloremque voluptatem quae.</div>

</body>

</html>



### Example -- Using "clear" Both

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .div1 {
      width: 400px;
      background-color: red;
      color: white;
      border: 5px solid black;
      float: left;
    }
    .div2 {
      width: 400px;
      background-color: blue;
      color: white;
      border: 5px solid black;
      float: right;
    }
    .div3 {
      background-color: green;
      color: white;
      border: 5px solid black;
      clear: both;
    }
  </style>
</head>
<body>
  <div class="div1">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed
  quos est qui temporibus, inventore alias, quasi nobis voluptas doloremque eos dolorem.
  Quas veniam nam, iure quaerat tempore eum, suscipit, iste omnis minima quasi
  magnam! Fuga odio labore velit porro quis, unde voluptates qui assumenda cupiditate
```

totam dolor placeat saepe hic beatae eos nisi ipsum odit excepturi ratione reprehenderit aliquid iure. Hic ut explicabo architecto odio a modi praesentium adipisci enim consequatur vel aliquid repellendus dolorum, tenetur non nemo veniam accusantium consectetur? Autem quia optio maxime temporibus molestiae magni tenetur consequatur eveniet a accusantium sequi, harum, iusto praesentium consequuntur? Assumenda, voluptatem.</div>

<div class="div2">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed quos est qui temporibus, inventore alias, quasi nobis voluptas doloremque eos dolorem. Quas veniam nam, iure quaerat tempore eum, suscipit, iste omnis minima quasi magnam! Fuga odio labore velit porro quis, unde voluptates qui assumenda cupiditate totam dolor placeat saepe hic beatae eos nisi ipsum odit excepturi ratione reprehenderit aliquid iure. Hic ut explicabo architecto odio a modi praesentium adipisci enim consequatur vel aliquid repellendus dolorum, tenetur non nemo veniam accusantium consectetur? Autem quia optio maxime temporibus molestiae magni tenetur consequatur eveniet a accusantium sequi, harum, iusto praesentium consequuntur? Assumenda, voluptatem. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Harum neque quam tempore cum doloremque officiis vero assumenda explicabo quidem libero cupiditate numquam, dolorem atque similique! Alias cupiditate obcaecati ducimus doloribus, delectus quibusdam vitae velit, facilis possimus earum libero, eaque impedit nihil molestias nam numquam molestiae sunt ipsam. Consectetur, sapiente? Debitis, ipsa ducimus nobis ullam facilis corrupti, amet voluptate nam recusandae numquam magni molestiae soluta blanditiis illo et repudiandae. Fugiat labore molestiae iusto officiis quisquam! Quos rem ipsam quibusdam omnis eaque earum fugit velit id dolorum exercitationem, consectetur cumque dolores? Accusantium, enim odio. Hic, similique harum? A necessitatibus mollitia fuga ducimus.</div>

<div class="div3">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Facere, assumenda quia! Provident commodi eligendi doloremque odit error, harum eius, aliquam obcaecati, sit sapiente velit? Explicabo reprehenderit, modi provident illo nemo architecto nam atque maiores aliquam aliquid veritatis dolores odit dolor accusantium necessitatibus sapiente consequuntur, perferendis praesentium, quos facere. Corrupti iusto saepe molestias amet ea corporis velit a voluptate, laudantium rem nesciunt atque delectus sed sit beatae consequatur, facere qui dicta incidunt odio provident tempore necessitatibus exercitationem. Perferendis, recusandae esse magni molestiae pariatur perspiciatis! Eaque autem id dolorum aperiam unde, omnis ab laboriosam aspernatur maiores. Accusantium necessitatibus perspiciatis doloremque voluptatem quae.</div></body> </html>

## Eliminating Content Overflows

- When the height of element is less than that of element's content then we can say that the content is overflows from element.
- The CSS overflow property specifies how to handle the content when it overflows its block level container.
- If we don't set the height of the box, it will grow as large as the content. But if we set a specific height or width of the box and the content inside cannot fit then what will happen. The CSS overflow property is used to overcome this problem. It specifies whether to clip content, render scroll bars, or just display content.

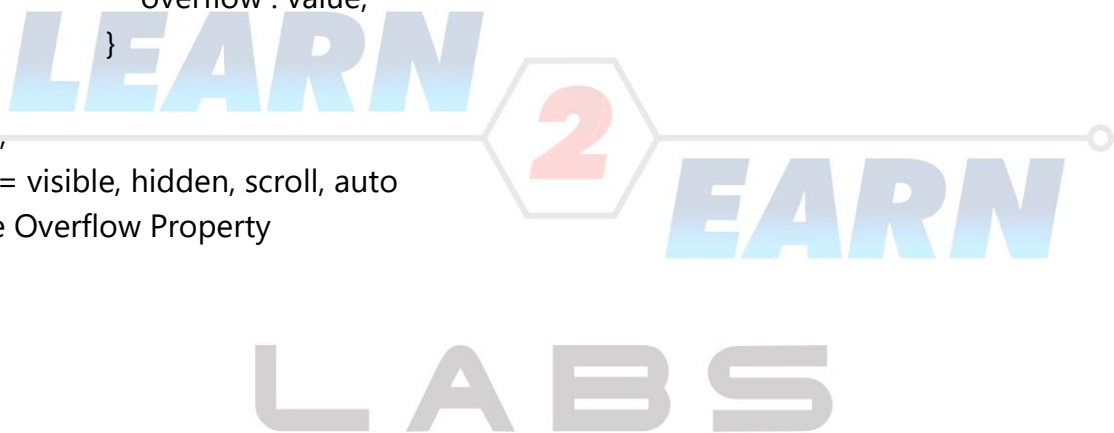
### Syntax

```
div
{
  overflow : value;
}
```

where,

value = visible, hidden, scroll, auto

Before Overflow Property



## Example

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>

    div
    {
      width: 300px;
      height: 200px;
      border: 2px solid black;
    }

  </style>
</head>
<body>

  <h1>Before Overflow Property</h1>

  <div>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus aliquam quod
  obcaecati, numquam soluta, ullam dignissimos harum voluptates ut dolor ipsam culpa
  sint ipsum consectetur fugiat enim. Quidem odit voluptatum repellendus officiis eum.
  Beatae atque repellendus earum quidem in dolores qui molestias eum facilis. Saepe
  voluptatem quod quibusdam delectus molestiae magni autem soluta voluptas, sit
  asperiores facilis et tempora laboriosam id suscipit? Eligendi cumque rem labore
  voluptatem aspernatur perspiciatis at eveniet cupiditate, iusto quibusdam qui, obcaecati
  ducimus est error repudiandae necessitatibus. Nam quis dolore qui odit doloribus natus
  porro vitae, quasi molestiae magni? Illo temporibus corporis aliquam laborum, minus
  ullam?</div>

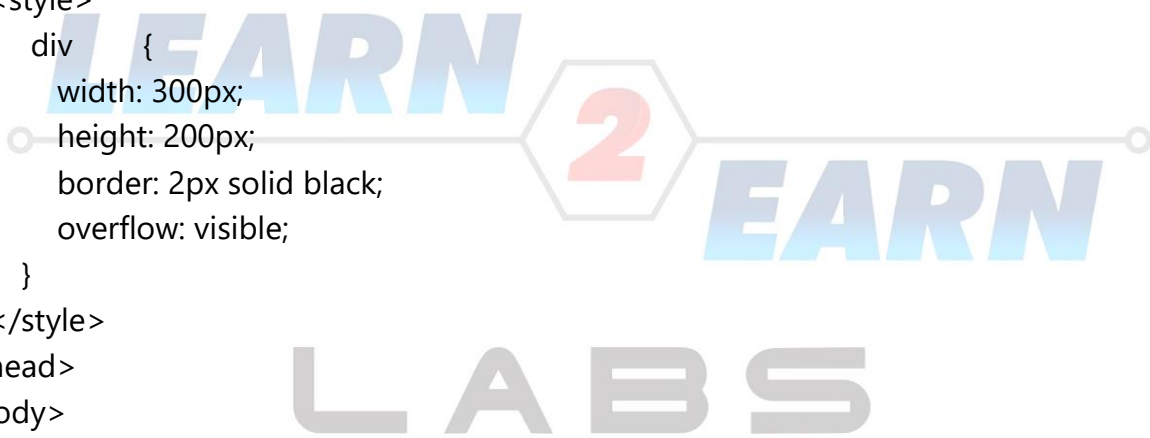
</body>
</html>
```

## After Overflow Property

### Example -- overflow:visible

The default value. Content is not clipped; it will be rendered outside the element's box, and may thus overlap other content.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    div {
      width: 300px;
      height: 200px;
      border: 2px solid black;
      overflow: visible;
    }
  </style>
</head>
<body>
  <h1>Overflow With Value Visible</h1>
  <div>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus aliquam quod
  obcaecati, numquam soluta, ullam dignissimos harum voluptates ut dolor ipsam culpa
  sint ipsum consectetur fugiat enim. Quidem odit voluptatum repellendus officiis eum.
  Beatae atque repellendus earum quidem in dolores qui molestias eum facilis. Saepe
  voluptatem quod quibusdam delectus molestiae magni autem soluta voluptas, sit
  asperiores facilis et tempora laboriosam id suscipit? Eligendi cumque rem labore
  voluptatem aspernatur perspiciatis at eveniet cupiditate, iusto quibusdam qui, obcaecati
  ducimus est error repudiandae necessitatibus. Nam quis dolore qui odit doloribus natus
  porro vitae, quasi molestiae magni? Illo temporibus corporis aliquam laborum, minus
  ullam?</div>
</body> </html>
```

The logo for 'Learn 2 Earn Labs' is centered in the background. It features the word 'LEARN' in blue, a large red number '2' inside a hexagon, the word 'EARN' in blue, and the word 'LABS' in grey below them.

## Example -- overflow:hidden

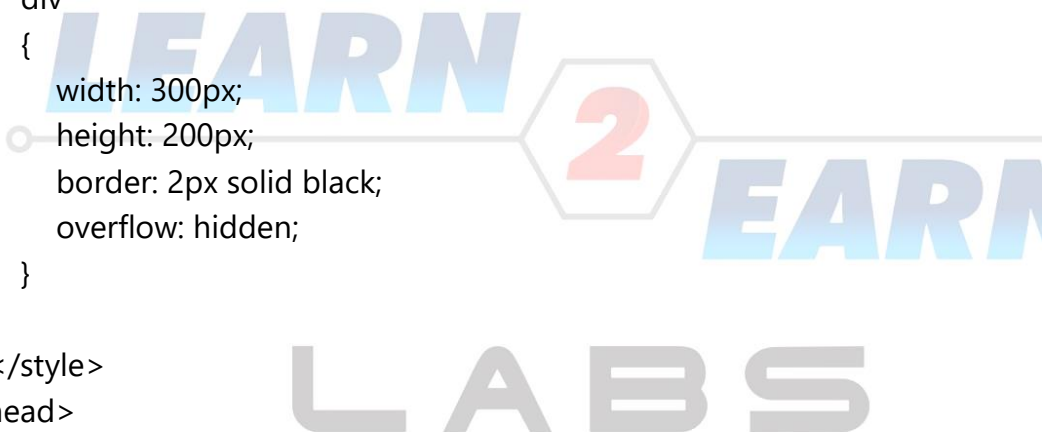
Content that overflows the element's box is clipped and the rest of the content will be invisible.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>

    div
    {
      width: 300px;
      height: 200px;
      border: 2px solid black;
      overflow: hidden;
    }

  </style>
</head>
<body>

  <h1>Overflow With Value Hidden</h1>
```

The logo for 'Learn 2 Earn Labs' is displayed in the background. It features the word 'LEARN' in blue, a large red '2' inside a hexagon, the word 'EARN' in blue, and 'LABS' in grey below it. A horizontal line with circles at both ends passes through the hexagon.

```
    <div>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus aliquam quod
    obcaecati, numquam soluta, ullam dignissimos harum voluptates ut dolor ipsam culpa
    sint ipsum consectetur fugiat enim. Quidem odit voluptatum repellendus officiis eum.
    Beatae atque repellendus earum quidem in dolores qui molestias eum facilis. Saepe
    voluptatem quod quibusdam delectus molestiae magni autem soluta voluptas, sit
    asperiores facilis et tempora laboriosam id suscipit? Eligendi cumque rem labore
    voluptatem aspernatur perspiciatis at eveniet cupiditate, iusto quibusdam qui, obcaecati
    ducimus est error repudiandae necessitatibus. Nam quis dolore qui odit doloribus natus
```



porro vitae, quasi molestiae magni? Illo temporibus corporis aliquam laborum, minus ullam? </div>

</body>

</html>



## Example -- overflow:scroll

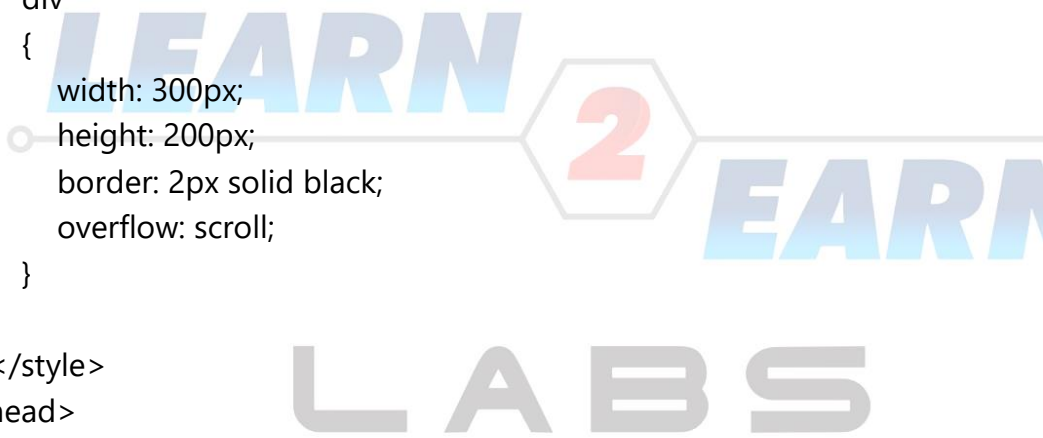
The overflowing content is clipped, just like hidden, but provides a scrolling mechanism to access the overflowed content.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>

    div
    {
      width: 300px;
      height: 200px;
      border: 2px solid black;
      overflow: scroll;
    }

  </style>
</head>
<body>

  <h1>Overflow With Value Visible</h1>
```

The logo for 'Learn 2 Earn Labs' is displayed in the background. It features the word 'LEARN' in blue, a large red '2' inside a hexagon, and the word 'EARN' in blue. Below this, the word 'LABS' is written in a large, grey, sans-serif font.

```
    <div>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Minus aliquam quod
    obcaecati, numquam soluta, ullam dignissimos harum voluptates ut dolor ipsam culpa
    sint ipsum consectetur fugiat enim. Quidem odit voluptatum repellendus officiis eum.
    Beatae atque repellendus earum quidem in dolores qui molestias eum facilis. Saepe
    voluptatem quod quibusdam delectus molestiae magni autem soluta voluptas, sit
    asperiores facilis et tempora laboriosam id suscipit? Eligendi cumque rem labore
    voluptatem aspernatur perspiciatis at eveniet cupiditate, iusto quibusdam qui, obcaecati
    ducimus est error repudiandae necessitatibus. Nam quis dolore qui odit doloribus natus
```

porro vitae, quasi molestiae magni? Illo temporibus corporis aliquam laborum, minus ullam? </div>

</body>

</html>



### Example -- overflow:auto

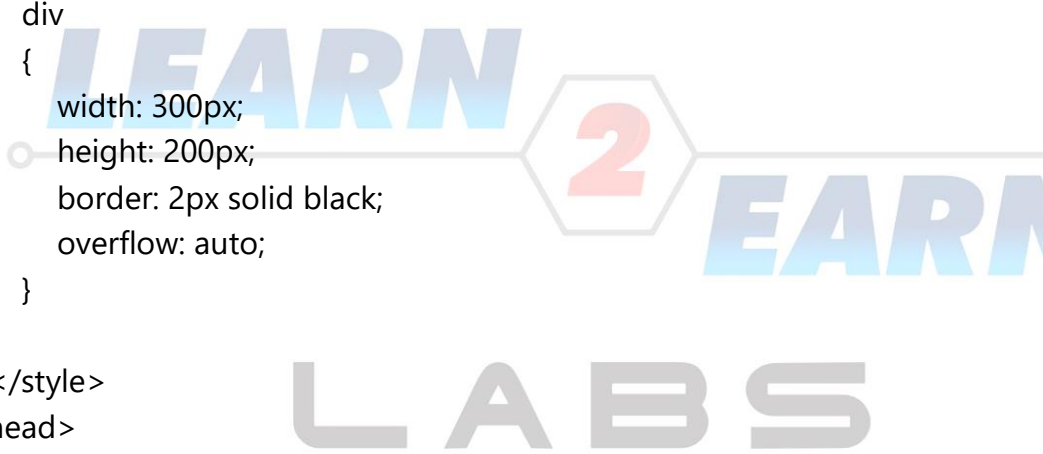
If content overflows the element's box it will automatically provides the scrollbars to see the rest of the content, otherwise scrollbar will not appear.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>

    div
    {
      width: 300px;
      height: 200px;
      border: 2px solid black;
      overflow: auto;
    }

  </style>
</head>
<body>

  <h1>Overflow With Value Visible</h1>
```

The logo for 'Learn 2 Earn Labs' is displayed in the background. It features the word 'LEARN' in blue, a large red '2' inside a hexagon, and the word 'EARN' in blue. Below this, the word 'LABS' is written in a large, grey, sans-serif font.

```
    <div>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Minus aliquam quod
    obcaecati, numquam soluta, ullam dignissimos harum voluptates ut dolor ipsam culpa
    sint ipsum consectetur fugiat enim. Quidem odit voluptatum repellendus officiis eum.
    Beatae atque repellendus earum quidem in dolores qui molestias eum facilis. Saepe
    voluptatem quod quibusdam delectus molestiae magni autem soluta voluptas, sit
    asperiores facilis et tempora laboriosam id suscipit? Eligendi cumque rem labore
    voluptatem aspernatur perspiciatis at eveniet cupiditate, iusto quibusdam qui, obcaecati
    ducimus est error repudiandae necessitatibus. Nam quis dolore qui odit doloribus natus
```

porro vitae, quasi molestiae magni? Illo temporibus corporis aliquam laborum, minus ullam? </div>

</body>

</html>



### Example -- overflow-x

When there is a overflow of content along y direction then this property works.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    div {
      width: 300px;
      height: 200px;
      border: 2px solid black;
      overflow-x: auto;
    }
  </style>
</head>
<body>
  <h1>Overflow With Value Visible</h1>
  <div>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus aliquam quod
  obcaecati, numquam soluta, ullam dignissimos harum voluptates ut dolor ipsam culpa
  sint ipsum consectetur fugiat enim. Quidem odit voluptatum repellendus officiis eum.
  Beatae atque repellendus earum quidem in dolores qui molestias eum facilis. Saepe
  voluptatem quod quibusdam delectus molestiae magni autem soluta voluptas, sit
  asperiores facilis et tempora laboriosam id suscipit? Eligendi cumque rem labore
  voluptatem aspernatur perspiciatis at eveniet cupiditate, iusto quibusdam qui, obcaecati
  ducimus est error repudiandae necessitatibus. Nam quis dolore qui odit doloribus natus
  porro vitae, quasi molestiae magni? Illo temporibus corporis aliquam laborum, minus
  ullam?</div>
</body>
</html>
```

### Example -- overflow-y

When there is a overflow of content along x direction then this property works.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    div {
      width: 300px;
      height: 200px;
      border: 2px solid black;
      overflow-y: auto;
    }
  </style>
</head>
<body>
  <h1>Overflow With Value Visible</h1>
  <div>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus aliquam quod
obcaecati, numquam soluta, ullam dignissimos harum voluptates ut dolor ipsam culpa
sint ipsum consectetur fugiat enim. Quidem odit voluptatum repellendus officiis eum.
Beatae atque repellendus earum quidem in dolores qui molestias eum facilis. Saepe
voluptatem quod quibusdam delectus molestiae magni autem soluta voluptas, sit
asperiores facilis et tempora laboriosam id suscipit? Eligendi cumque rem labore
voluptatem aspernatur perspiciatis at eveniet cupiditate, iusto quibusdam qui, obcaecati
ducimus est error repudiandae necessitatibus. Nam quis dolore qui odit doloribus natus
porro vitae, quasi molestiae magni? Illo temporibus corporis aliquam laborum, minus
ullam?</div>
</body>
</html>
```