



CSS Layout



Topics to be covered

1. Introduction to CSS Layout
2. Benefits of CSS Layout
3. Types of CSS Layout
 - A. Normal Flow
 - B. Float

Introduction to CSS Layout

It is a very important part of web design which allows the developer to position the elements on a web page so that the web page can be visually appealing and user friendly. In other words, we can say that it is a process of using CSS to control the position and size of elements on a web page.

Benefits of using CSS Layout

1. Better presentation and structure
2. Better accessibility
3. Flexible and responsive
4. Reusability
5. Browser compatibility

Types of CSS Layout

1. Normal Flow
2. Float
3. Position
4. Flex
5. Grid

Normal Flow

It is the default layout model in which elements are rendered in the order they are written in the HTML file.

It is the default and simplest layout model.

Example Code

```
<body>
  <!-- block elements -->
  <h1>Welcome to web development course</h1>
  <p>This is a MERN course by PW Skills</p>
  <div>Lorem, ipsum dolor sit amet consectetur adipisicing elit.</div>

  <!-- inline elements -->
  <a href="#">Visit Me</a>
  <a href="#">Click Me</a>
  <button>Submit</button>
</body>
```


Output

Welcome to web development course

This is a MERN course by PW Skills

Lorem, ipsum dolor sit amet consectetur adipiscing elit.

[Visit Me](#) [Click Me](#)

Float

Float property specifies how we can position an element within the container.
Float is majorly used when we want to align elements horizontally next to each other.

These are the most used properties of float to position the element–

1. none
2. left
3. right

none

This is the default property set on the element which means that the element will not float anywhere and will be there according to the normal document flow.

Example Code

```
<style>
  .container {
    width: 500px;
    border: 2px solid black;
  }

  img{
    float: none;
  }
</style>
<body>
  <div class="container">
    
    <p>
      Lorem ipsum dolor sit amet, consectetur adipisicing elit. Veniam tenetur
      ducimus dolores delectus repellat aperiam, sed officia aliquid provident
      velit id impedit, optio nisi illum deserunt. Iusto dolorum temporibus
      assumenda?
    </p>
  </div>
</body>
```

Output



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Veniam tenetur ducimus dolores delectus repellat aperiam, sed officia aliquid provident velit id impedit, optio nisi illum deserunt. Iusto dolorum temporibus assumenda?

left

This property will float (position) the element to the left side of the container, instead of positioning the element with the default layout flow.

Example Code

```
<style>
.container {
  width: 500px;
  border: 2px solid black;
}

img{
  float: left;
}
</style>
<body>
  <div class="container">
    
    <p>
      Lorem ipsum dolor sit amet, consectetur adipisicing elit. Veniam tenetur
      ducimus dolores delectus repellat aperiam, sed officia aliquid provident
      velit id impedit, optio nisi illum deserunt. Iusto dolorum temporibus
      assumenda?
    </p>
  </div>
</body>
```


Output



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Veniam
tenetur ducimus dolores delectus repellat aperiam, sed officia aliquid
provident velit id impedit, optio nisi illum deserunt. Iusto dolorum
temporibus assumenda?

right

This property will float (position) the element to the right side of the container, instead of positioning the element with the default layout flow.

Example Code

```
<style>
  .container {
    width: 500px;
    border: 2px solid black;
  }

  img{
    float: right;
  }
</style>
<body>
  <div class="container">
    
    <p>
      Lorem ipsum dolor sit amet, consectetur adipisicing elit. Veniam tenetur
      ducimus dolores delectus repellat aperiam, sed officia aliquid provident
      velit id impedit, optio nisi illum deserunt. Iusto dolorum temporibus
      assumenda?
    </p>
  </div>
</body>
```

Output

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Veniam
tenetur ducimus dolores delectus repellat aperiam, sed officia aliquid
provident velit id impedit, optio nisi illum deserunt. Iusto dolorum
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▶ THANK YOU ◀