CSS Tutorial: CSS Display Property | Web Development Tutorials #24

In this tutorial, we are going to learn about **CSS Display Property.** The *display* CSS property sets whether an element is treated as a *block* or *inline* element and the layout used for its children, such as *flow layout, grid* or *flex.*

We will start by making a new file as *tut24.html* and adding a boilerplate as usual. Give the title as **CSS Display Property** in the <title> tag. We will then add an image or logo and the h3 heading, in the header section with the class as "top".

Let us style the image and heading with some CSS-

```css
img {
        margin: auto;
        display: block;
        width: 34px;
    }

h3 {
        text-align: center;
        font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        margin: 0px;
    }
```

By inspecting both the elements in the Chrome browser, we see that the **image** is an *inline* element and the **h3 heading** is the *block* element. Our objective is to bring all the elements to the center of the webpage. We can achieve it by adjusting the **width** of the block element i.e. the heading. The respective code of the following is-

```css
header {
        border: 2px solid red;
        margin: auto;
    width: 1200px;
        }
```

The display of "img" is inline and therefore, to make it come to center, we have to set the property *display* as *block* as follows-

```css
img {
        margin: auto;
        display: block;
        width: 34px;
        }
```
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The next problem which arises is that when we stretch the full width of the page, the text in the heading moves towards left. So to move it towards the center, we can set the property of **text-alignment** as center.

Display inline means it will take the space according to the size of the element. *Display block* means we can set its width and by margin manually.

Now suppose we want to make an element inline as well as customize its width too, then in that case we can use *inline-block*. To understand it, first we will add three *divs* with some texts in it and then style it. To appear those as a box, we can take the help of *container* and *box class.* We can style the box element as

```css
.box {
        border: 4px solid black;
        background-color: grey;
        margin: 4px 0px;
        padding: 23px;
        width: 33%;
        box-sizing: border-box;
        display: inline-block;
    }
```

The *inline-block* property here allows us to change the width of inline elements also. To ensure that all the three blocks come in a single line, we can use the property **box-sizing.** It ensure that the width we provide is not changed including padding and margin.

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