

Centering the element vertically and horizontally in a div

Hi,

welcome to the video,

In this video, I am going to show, how to vertically and horizontally center an element within a block level element.

I am going to show you 3 different ways to do this.

Create a new html file with the name of index.html. Now Let's get started with the html markup. In the markup we need one div container with a class of container and then inside the container we add our content div with the class of content. we can add some other html element to the content div, like h1, and p.

html code.

```
<div class="container method_one">

  <div class="content method_one">

    <h2>Method One</h2>

    <p>.....</p>

  </div>

</div>
```

Now create a style sheet file with the name of style.css, and link it to the html file.

html code.

```
<link rel="stylesheet" href="style.css">
```

So now we are going to style the markup. first we need to style our element to see what is happening after adding each style. In your style.css select everything with * and give margin, padding zero and box-sizing : border-box, now I add outline property to see the layout in action.

```
*{ margin: 0; padding: 0; box-sizing: border-box; outline: 1px dotted red;}
```

In body element give a font-family, font-size and line-height.

```
body{ font-family: sans-serif; font-size: 16px; line-height: 1.5;}
```

Now in the .container div give width 100%, margin-bottom:20px and background color #eeee.

```
.container{ width: 100%; margin-bottom: 20px; background: #eee; }
```

after that select .content element and give 50% width, height auto, margin: 0 auto, background #fff, padding: 10px;

```
.content{ width: 50%; height: auto; margin: 0 auto; background: #fff; padding: 10px; }
```

Method : 1

For method one we need to apply new class name to container and content div, let's the class name is `method_one`.

Now give the position : relative to the container class and position absolute to content class. select the `.container.method_one` element and give a min-height to 500px.

In `.content.method_one` element give left: 50%,top:50%,width: 600px,height:120px.

now the trick part, we need to add margin-left: -300px, which is the half of the element width and similarly margin-top: -60px, which is the half of the element height. you have to examine this two with width and height property, so that it's fit with your need.

This is the end of our first method, But it's has some down side, which are you have to give fixed width and height. but it support in all browser.

Method : 2

For method two, copy the html and paste it below, now change the `method_one` class to `method_two` class.

Now give left:50%, top: 50% and transform: translate(-50%, -50%) to the `.content.method_two` class element.

You see this is the easiest method to center element on any div. but it has limitation, it not work in older browser.

You can also use padding in container class instead of using min-height.

Method : 3

For method three, we need to change the html markup. add another container div with a class of `container_wrapper`, other markup is similar to the previous markup, only change the `method_two` class to `method_three`.

Now give width: 100%, display: table, min-height: 600px (you can use padding also). In `container.method_three` class give display:table-cell, and verticle-align: middle.

Now in prefiesly we give position property in both container and content class, you can remove this by declaring position: static. in both class.

This is the best method, because it support in all browser.