

CSS Box Model - Practice Code

Problem Statement 1: Width and Height

Create a simple HTML page with an image and some content about the image. Depending on size of the image, align the content below the image using the width and height properties. Add a border to the content section.

Width and Height



The picture above is 350px wide. The total width of this element is also 350px.

Problem Statement 2: Border Styles

Create a simple HTML page and try all types of borders (dotted, dashed...) available by creating that many paragraphs and applying border properties to them.

The border-style Property
This property specifies what kind of border to display:
<input type="checkbox"/> A dotted border.
<input type="checkbox"/> A dashed border.
<input type="checkbox"/> A solid border.
<input type="checkbox"/> A double border.
<input type="checkbox"/> A groove border.
<input type="checkbox"/> A ridge border.
<input type="checkbox"/> An inset border.
<input type="checkbox"/> An outset border.
<input type="checkbox"/> No border.
<input type="checkbox"/> A hidden border.
<input type="checkbox"/> A mixed border.

Problem Statement 3: Margin

Create a simple HTML page with heading and paragraph, add different margins for all sides of the paragraph using margin shorthand property. Make sure to add a border to the paragraph so that you can see the margin difference visibility.

The margin shorthand property

This p element has a top margin of 25px, a right margin of 50px, a bottom margin of 75px, and a left margin of 100px.

Problem Statement 4: Padding

Create a simple HTML page with heading and a div element. Using individual padding properties add padding to the div element. Make sure to add a border to the div element so that you can see the padding difference visibility.

Using individual padding properties

This div element has a top padding of 50px, a right padding of 30px, a bottom padding of 50px, and a left padding of 80px.

Solution:

Problem Statement 1:

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
  width: 320px;
  padding: 10px;
  border: 5px solid gray;
  margin: 0;
}
</style>
</head>
```

```
<body>
<h2>Width and Height</h2>

<div>The picture above is 350px wide. The total width of this element is
also 350px.</div>
</body>
</html>
```

Problem Statement 2:

```
<!DOCTYPE html>
<html>
<head>
<style>
p.dotted {border-style: dotted;}
p.dashed {border-style: dashed;}
p.solid {border-style: solid;}
p.double {border-style: double;}
p.groove {border-style: groove;}
p.ridge {border-style: ridge;}
p.inset {border-style: inset;}
p.outset {border-style: outset;}
p.none {border-style: none;}
p.hidden {border-style: hidden;}
p.mix {border-style: dotted dashed solid double;}
</style>
</head>
<body>

<h2>The border-style Property</h2>
<p>This property specifies what kind of border to display:</p>

<p class="dotted">A dotted border.</p>
<p class="dashed">A dashed border.</p>
<p class="solid">A solid border.</p>
<p class="double">A double border.</p>
<p class="groove">A groove border.</p>
<p class="ridge">A ridge border.</p>
<p class="inset">An inset border.</p>
<p class="outset">An outset border.</p>
<p class="none">No border.</p>
<p class="hidden">A hidden border.</p>
<p class="mix">A mixed border.</p>

</body>
</html>
```

Problem Statement 3:

```
<!DOCTYPE html>
<html>
<head>
<style>
p {
  border: 1px solid black;
  margin: 25px 50px 75px 100px;
}
</style>
</head>
<body>
<h2>The margin shorthand property</h2>
<p>This p element has a top margin of 25px, a right margin of 50px, a bottom
margin of 75px, and a left margin of 100px.</p>
</body>
</html>
```

Problem Statement 4:

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
  border: 1px solid black;
  padding-top: 50px;
  padding-right: 30px;
  padding-bottom: 50px;
  padding-left: 80px;
}
</style>
</head>
<body>

<h2>Using individual padding properties</h2>

<div>This div element has a top padding of 50px, a right padding of 30px, a
bottom padding of 50px, and a left padding of 80px.</div>

</body>
</html>
```