**Alignment and Display in CSS**

**Text Alignment:**

* **text-align property:** Controls the horizontal alignment of text within an element.
  + left: Aligns text to the left.
  + center: Centers text horizontally.
  + right: Aligns text to the right.
  + justify: Justifies text, aligning both the left and right margins.

**Vertical Alignment:**

* **vertical-align property:** Controls the vertical alignment of text within an element.
  + baseline: Aligns the baseline of the text with the baseline of other elements.
  + top: Aligns the top of the text with the top of the container.
  + middle: Centers the text vertically within the container.
  + bottom: Aligns the bottom of the text with the bottom of the container.

**Display Property:**

The display property determines how an element is displayed on the page.

* **block:** Displays the element as a block-level element, taking up the full width of its container and starting on a new line.
* **inline:** Displays the element as an inline element, without starting on a new line and taking up only the space required for its content.
* **inline-block:** Displays the element as a block-level element but allows it to flow inline with other elements.
* **flex:** Enables flexible box layout for arranging elements within a container.

**HTML Example:**

HTML

<!DOCTYPE html>

<html>

<head>

<title>Alignment and Display</title>

<style>

.container {

border: 1px solid black;

padding: 20px;

}

.left-aligned {

text-align: left;

}

.center-aligned {

text-align: center;

}

.right-aligned {

text-align: right;

}

.top-aligned {

vertical-align: top;

}

.middle-aligned {

vertical-align: middle;

}

.bottom-aligned {

vertical-align: bottom;

}

.inline-block {

display: inline-block;

width: 100px;

height: 100px;

background-color: lightblue;

text-align: center;

vertical-align: middle;

}

</style>

</head>

<body>

<div class="container">

<p class="left-aligned">Left-aligned text</p>

<p class="center-aligned">Centered text</p>

<p class="right-aligned">Right-aligned text</p>

<div class="inline-block top-aligned">Top aligned</div>

<div class="inline-block middle-aligned">Middle aligned</div>

<div class="inline-block bottom-aligned">Bottom aligned</div>

</div>

</body>

</html>