**Gemini**

**Alignment and Display in CSS**

**Text Alignment**

* **text-align:** Aligns the content within an element.
  + left: Aligns text to the left.
  + center: Centers the text.
  + right: Aligns text to the right.
  + justify: Justifies the text, spreading it out to fill the container.

**Vertical Alignment**

* **vertical-align:** Aligns the content of an inline element vertically relative to its baseline.
  + top: Aligns the top of the element to the top of the line.
  + middle: Centers the element vertically within the line.
  + bottom: Aligns the bottom of the element to the bottom of the line.
  + baseline: Aligns the element's baseline to the baseline of the parent element.

**Display Property**

* **display:** Controls how an element is displayed.
  + block: Creates a new block-level element.
  + inline: Displays the element as inline text.
  + inline-block: Displays the element as an inline element but allows it to have width, height, and margins.
  + flex: Enables flexible box layout for arranging elements.

**Example HTML Document**

HTML

<!DOCTYPE html>

<html>

<head>

<title>Alignment and Display Example</title>

<style>

.container {

width: 400px;

border: 1px solid black;

padding: 10px;

}

.left-aligned {

text-align: left;

}

.center-aligned {

text-align: center;

}

.right-aligned {

text-align: right;

}

.justified {

text-align: justify;

}

.inline-block {

display: inline-block;

width: 100px;

height: 50px;

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">Center-aligned text</p>

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

<p class="justified">Justified text</p>

<div class="inline-block">Inline-block element</div>

</div>

</body>

</html>

Use code [with caution.](/faq#coding)

**Explanation:**

* The .container div creates a container for the other elements.
* The .left-aligned, .center-aligned, .right-aligned, and .justified classes demonstrate different text alignment techniques.
* The .inline-block class displays the element as an inline-block, allowing it to have width, height, and margins. It also centers the text vertically using vertical-align: middle;.

By understanding these concepts and properties, you can effectively control the alignment and layout of elements on your web pages.