**1. Tailwind CSS Alignment**

Tailwind provides various utilities for aligning elements in flexbox, grid, and text.

**Flexbox & Grid Alignment**

<div class="flex items-center justify-center">

Centered Content

</div>

* items-start | items-center | items-end | items-stretch → Aligns items along the cross-axis.
* justify-start | justify-center | justify-end | justify-between | justify-around | justify-evenly → Aligns items along the main axis.
* self-start | self-center | self-end | self-stretch → Aligns a single flex/grid item.

**Text Alignment**

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

<p class="text-center">Center Aligned</p>

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

* text-left | text-center | text-right | text-justify

**2. Tailwind CSS Spacing**

Tailwind provides utilities for **margin (m-), padding (p-), and gap-** for spacing elements.

**Margin & Padding**

<div class="m-4 p-6">Margin and Padding</div>

* m-4 → Margin of 1rem (16px)
* p-6 → Padding of 1.5rem (24px)
* mx-auto → Centers element horizontally
* my-2 → Margin on top and bottom

 p-1 → 4px

 p-2 → 8px

 p-3 → 12px

 p-4 → 16px

 p-5 → 20px

*  **p-6 → 24px**

**Gap (for flex/grid)**

<div class="flex gap-4">

<div class="bg-blue-200 p-4">Box 1</div>

<div class="bg-blue-300 p-4">Box 2</div>

</div>

* gap-4 → 1rem spacing between elements

**3. Tailwind CSS Sizing**

Tailwind provides width (w-), height (h-), min/max width/height utilities.

**Width & Height**

<div class="w-1/2 h-32 bg-gray-300">Half Width, 32px Height</div>

* w-1/2 → 50% width
* h-32 → 8rem (128px) height
* w-full → Full width of parent
* h-screen → Full viewport height

**Min & Max Width/Height**

<div class="min-w-[200px] max-w-lg bg-gray-400">

Min 200px, Max large width

</div>

* min-w-0 | min-w-full | min-w-min | min-w-max
* max-w-xs | max-w-sm | max-w-md | max-w-lg

**4. Tailwind CSS Typography**

Tailwind provides utilities for font size, weight, leading, and more.

**Font Size**

<p class="text-sm">Small Text</p>

<p class="text-lg">Large Text</p>

<p class="text-2xl">Extra Large Text</p>

* text-xs | text-sm | text-base | text-lg | text-xl | text-2xl | text-3xl | text-4xl

**Font Weight**

<p class="font-light">Light Text</p>

<p class="font-bold">Bold Text</p>

<p class="font-extrabold">Extra Bold Text</p>

* font-thin | font-light | font-normal | font-medium | font-semibold | font-bold | font-extrabold | font-black

**Text Decoration**

<p class="underline">Underlined</p>

<p class="line-through">Strikethrough</p>

<p class="italic">Italic Text</p>

* underline | line-through | no-underline | italic

**5. Tailwind CSS Backgrounds**

Tailwind provides background color, gradient, opacity, and images.

**Background Colors**

<div class="bg-blue-500 text-white p-4">Blue Background</div>

* bg-red-500 | bg-green-500 | bg-blue-500 | bg-gray-800

**Background Gradient**

<div class="bg-gradient-to-r from-purple-400 via-pink-500 to-red-500 p-4">

Gradient Background

</div>

* bg-gradient-to-r → Left to right gradient
* from-color → Start color
* via-color → Middle color
* to-color → End color

**Background Image & Opacity**

<div class="bg-[url('/path-to-image.jpg')] bg-cover bg-opacity-75">

Background Image with Opacity

</div>

* bg-cover | bg-contain | bg-auto
* bg-opacity-25 | bg-opacity-50 | bg-opacity-75