



Introduction of tailwind css

What is Tailwind CSS ?

Is a CSS frameworks that uses low-level **"utility"** classes to create layouts. This is known as a **utility-first** framework.

Traditional CSS frameworks like Bootstrap use classes that are directly correlated to components(eg. Alerts, Navbars).

Tailwind uses classes as utilities to put together to build your own custom components.

What are Utility Classes & Their advantage ?

Utility classes are simple HTML classes typically scoped to a single and specific CSS property.

```
<div class="max-w-xl mx-auto p-2">
<h2 class="text-2xl font-bold mb-2">
Hello World</h2>
</div>
```

- Named according to their purpose
- Easy to understand and remember
- You know exactly what it does
- No naming inconsistencies
- Allowing for very fast layout creation and testing.

How is Tailwind is different from bootstrap ?

TAILWIND CSS FRAMEWORK	BOOTSRAP CSS FRAMEWORK
It is released in 2017 year	It was released in 2011 year
Newer framework that is gaining popularity	Popular framework that has been around a while

TAILWIND CSS FRAMEWORK	BOOTSTRAP CSS FRAMEWORK
Low-level classes for fast UI development	High-level pre-designed components
More flexibility and uniqueness	Some bootstrap sites look very similar
Customizable with directives & functions	Customizable through Sass
You need to know quite a bit of CSS	Easier for beginners
HTML usually has a lot of classes	Higher level components usually means less classes

Responsive Classes & State Classes

Tailwind has conditional class naming for breakpoints as well as states such as **hover**, **focus** etc.

```
<div class="flex flex-col md:flex-row">
  <div><a href="#" class="hover:text-blue-500">Item 1</a>
</div>
  <div href="#" class="hover:text-blue-500">Item 1</div>
</div>
```