📦 Container Class in Tailwind CSS

✅ What is the container class?

The container class in Tailwind is a responsive layout utility that applies a **maximum width** at each breakpoint and centers the content horizontally.

```
<div class="container mx-auto">
 <!-- Content goes here -->
</div>
```

- container: gives your element a max-width depending on the screen size.
- mx-auto: centers the container horizontally using automatic margin on the left and right.

✅ Why do we need it?

The container class:

- Prevents content from stretching too wide on large screens.
- Helps maintain **readability** and **alignment**.
- Ensures **responsive layout behavior** across screen sizes.

```
<div class="container mx-auto p-4">
 <h1 class="text-xl font-bold">Hello World</h1>
</div>
```

In this example:

- p-4 adds padding inside the container.
- The layout will stay centered on all screen sizes.

✅ Breakpoints of container

Tailwind's container adjusts **automatically** at these screen sizes:

Breakpoint	Class	Max Width
sm:	640px	max-w-sm
md:	768px	max-w-md
lg:	1024px	max-w-lg
xl:	1280px	max-w-xl
2xl:	1536px	max-w-2xl

To see this in action, try resizing your browser window with this code:

```html
<div class="container mx-auto bg-blue-100 p-4">
  <p>This container's width changes based on the screen size.</p>
</div>
```

✅ **Interview Question**

Q: What is the use of container in Tailwind CSS?
A: The container class is used to wrap page content and apply responsive max-widths automatically at each breakpoint. It also ensures the content stays centered and aligned properly.

Q: Can we customize container breakpoints?
Yes. You can configure custom container widths in tailwind.config.js like:

```js
module.exports = {
  theme: {
    container: {
      center: true,
      padding: '2rem',
      screens: {
        sm: "600px",
        md: "728px",
```

```
      lg: "984px",
      xl: "1240px",
      '2xl': "1496px",
    },
  },
  },
}
```