📌 Positions in Tailwind CSS

Tailwind provides utility classes to control the positioning of elements on a page using:

- static (default)
- relative
- absolute
- fixed
- sticky

✅ 1. How to Apply Positions

Class	Description
static	Default value, no special positioning.
relative	Positioned relative to its normal position.
absolute	Positioned relative to nearest relative parent.
fixed	Positioned relative to the viewport.
sticky	Scrolls with the page but sticks when needed.

```
<div class="relative">This is a relative div</div>
<div class="absolute top-4 left-4">This is absolutely positioned</div>
```

✅ 2. Apply Top, Right, Bottom, Left

- Tailwind provides spacing utilities: top-0, bottom-4, left-10, etc.

```
<div class="absolute top-10 left-10 bg-blue-300 p-2 rounded">
 Top 10px, Left 10px
</div>
```

✅ 3. Apply Inset with Position

- inset-* applies the same spacing to **all four sides**.

- inset-x-*, inset-y-* control horizontal/vertical positioning.

```
<div class="absolute inset-4 bg-green-300 p-2 rounded">

  1rem (16px) inset on all sides

</div>
```

```
<div class="absolute inset-x-10 bg-yellow-300 p-2 rounded">

  2.5rem (40px) on left and right only

</div>
```

✅ 4. Fixed Position

- Stays in place during scroll.

- Useful for sticky headers, footers, or floating buttons.

```
<div class="fixed bottom-4 right-4 bg-pink-500 text-white p-2 rounded">

  Fixed to Bottom Right

</div>
```

✅ 5. Interview Questions

◆ What is the Box Model in CSS?

The **CSS Box Model** is a box that wraps around every HTML element. It consists of:

1. **Content** – The actual text/image

2. **Padding** – Space around the content

3. **Border** – Surrounds the padding (if any)

4. **Margin** – Space outside the border

◆ What is position in CSS?

The position property defines how an element is positioned in the document.

- static, relative, absolute, fixed, sticky

- Used with top, left, right, bottom for offset

◆ **What is the use of inset?**

inset is a shorthand property for setting top, right, bottom, and left all at once. In Tailwind, inset-* classes apply spacing from all sides (or vertically/horizontally with inset-x, inset-y).