Flexbox in Tailwind CSS

Flexbox utilities in Tailwind allow you to build responsive layouts with ease. You can arrange items in rows or columns, control their alignment, spacing, wrapping, and even reorder them based on screen sizes.

◆ **1. Put Items in Columns or Rows**

◆ **Code:**

<!-- Row layout (default) -->

```
<div class="flex gap-4 bg-gray-100 p-4">

  <div class="bg-blue-400 p-4">Item 1</div>

  <div class="bg-blue-500 p-4">Item 2</div>

  <div class="bg-blue-600 p-4">Item 3</div>

</div>
```

<!-- Column layout -->

```
<div class="flex flex-col gap-4 bg-gray-100 p-4 mt-4">

  <div class="bg-green-400 p-4">Item 1</div>

  <div class="bg-green-500 p-4">Item 2</div>

  <div class="bg-green-600 p-4">Item 3</div>

</div>
```

◆ **2. Put Items in Reverse Order**

◆ **Code:**

<!-- Row reverse -->

```
<div class="flex flex-row-reverse gap-4 bg-gray-100 p-4">

  <div class="bg-purple-400 p-4">1</div>

  <div class="bg-purple-500 p-4">2</div>

  <div class="bg-purple-600 p-4">3</div>
```

```
</div>
```

```
<!-- Column reverse -->
<div class="flex flex-col-reverse gap-4 bg-gray-100 p-4 mt-4">
  <div class="bg-yellow-400 p-4">A</div>
  <div class="bg-yellow-500 p-4">B</div>
  <div class="bg-yellow-600 p-4">C</div>
</div>
```

- ◆ **3. Center Align Items**

- ◆ **Code:**

```
<!-- Center horizontally & vertically -->
<div class="flex items-center justify-center h-40 bg-gray-200">
  <div class="bg-red-500 text-white px-6 py-3">Centered Item</div>
</div>
```

- ◆ **4. Wrap Items to the Next Line**

- ◆ **Code:**

```
<div class="flex flex-wrap gap-4 bg-gray-100 p-4">
  <div class="bg-pink-400 p-4 w-40">Item 1</div>
  <div class="bg-pink-500 p-4 w-40">Item 2</div>
  <div class="bg-pink-600 p-4 w-40">Item 3</div>
  <div class="bg-pink-700 p-4 w-40">Item 4</div>
</div>
```

- ◆ **5. Change Item Order for Small Screens**

You can use responsive order-{n} classes to reorder flex items.

◆ **Code:**

```
<div class="flex flex-wrap gap-4 bg-gray-100 p-4">
  <div class="bg-teal-400 p-4 order-3 sm:order-1">Item A</div>
  <div class="bg-teal-500 p-4 order-2 sm:order-2">Item B</div>
  <div class="bg-teal-600 p-4 order-1 sm:order-3">Item C</div>
</div>
```

✅ On **mobile**, order: C → B → A
✅ On **sm and above**, order: A → B → C

🎤 **Interview Questions**

❓ **How do you reverse the order of items?**

Use flex-row-reverse or flex-col-reverse classes.

❓ **How do you wrap flex items in Tailwind?**

Use the flex-wrap class.

❓ **How to center an item in a flex container?**

Use justify-center (horizontal) and items-center (vertical).

❓ **How to change order for small screens?**

Use responsive classes like order-1 sm:order-3 to rearrange order based on screen size.