



Flex-box.html file code(internal css):-

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Flexbox Example</title>
```

```
<style>
```

```
.container
```

```
{
```

```
display: flex; /* Enables flex layout */
```

```
gap: 10px; /* Adds space between items */
```

```
padding: 20px;
```

```
background-color: #f0f0f0;
```

```
}
```

```
.item {
```

```
flex: 1; /* Each item takes equal space */
```

```
padding:20px;
```

```
background-color: #4caf50;
```

```
color: white;
```

```
border-radius:5px;
}

</style>
</head>
<body>
<div class="container">
  <div class="item">Item 1</div>
  <div class="item">Item 2</div>
  <div class="item">Item 3</div>
</div>
</body>
</html>
```

Details explanation of Code:

```
.container {
```

This defines the style for any element with the class `container`.

Inside `.container`:

```
display: flex;
```

- Turns the element into a **flex container**.
- Its direct children become **flex items** laid out according to flexbox rules (instead of block/inline rules).

```
gap: 10px;
```

- Adds 10 pixels of space **between** the flex items.
- A modern, cleaner alternative to using margins for spacing.

```
padding: 20px;
```

- Adds 20px of space **inside** the container (on all sides), pushing the content away from the edges.

```
background-color: #f0f0f0;
```

- Sets a light gray background for the container.
-

```
.item {
```

This styles each child `<div>` with the class `item`.

Inside `.item`:

```
flex: 1;
```

- Tells each item to grow equally and take **equal width** inside the flex container.
- Without this, items would shrink to fit their content.

```
padding: 20px;
```

- Adds internal space inside each item box for visual comfort.

```
background-color: #4caf50;
```

- Sets the background to a greenish color (a shade of green from the Material Design palette).

```
color: white;
```

- Sets the text color to white for better contrast on the green background.

```
border-radius: 5px;
```

- Rounds the corners of each box by 5 pixels.
-

```
</style>
```

- Closes the style block.
-

```
</head>
```

- Ends the `<head>` section.

`<body>`

- The visible content of the web page begins here.

`<div class="container">`

- This `div` is the **flex container** holding the three items.

Three nested `<div class="item">Item x</div>` elements:

Each of these is a **flex item** within the container. They will:

- Be equal in width (due to `flex: 1`)
- Have consistent padding, background color, and rounded corners.

`</div>` **and** `</body>` **and** `</html>`

- These lines simply close the `container`, `body`, and `html` tags respectively.

Result:

- You get a **horizontal layout** with 3 equally sized boxes (Item 1, Item 2, Item 3), spaced with 10px between them, each styled with padding, green background, and white text.