

An Overview of the flex box code

There are two sets of code use in different places. The first code is called the **Parent Element**.

It is use in the container section of the code for the whole flex box container.

The second code is called **Child Elements (Items)**. Known as flexible items.
It is use in on html code inside the flex box container.

Parent Element (Container)

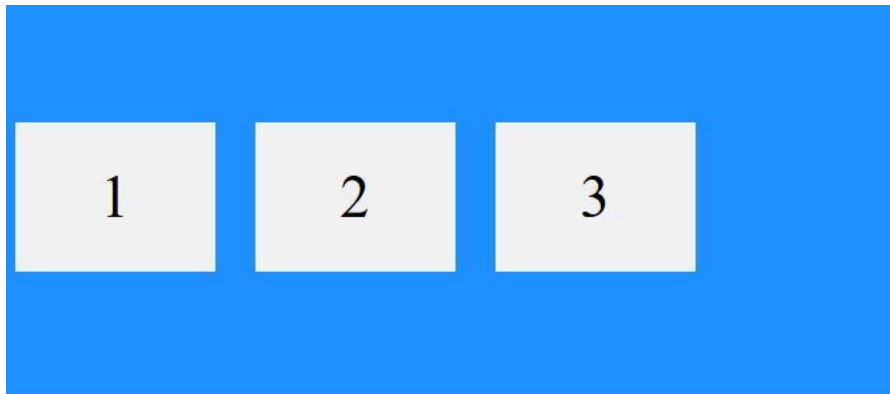
The **flex container** becomes flexible by setting the `display` property to *flex*:

Example

```
.flex-container {  
  display: flex;  
}
```

The value of one of the properties that affect the **flex items** in the flex container is align-items:

```
<style>  
.flex-container { display: flex;  
                  align-items: center;}  
</style>  
<body>  
<p>The "align-items: center;" aligns the flex items in the middle of the container:</p>  
  
<div class="flex-container">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
</div>
```



The flex container properties are: (See https://www.w3schools.com/css/css3_flexbox.asp for the values of each property)

- [flex-direction](#)
- [flex-wrap](#)
- [flex-flow](#)
- [justify-content](#) The `justify-content` property, aligns items horizontally and accepts the following values:
 - `flex-start`: Items align to the left side of the container.
 - `flex-end`: Items align to the right side of the container.
 - `center`: Items align at the center of the container.
 - `space-between`: Items display with equal spacing between them.
 - `space-around`: Items display with equal spacing around them.
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- [align-items](#)
- [align-content](#)
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Child Elements (Items)

The direct child elements of a flex container automatically become flexible (flex) items.

i.e. All direct children of a flexible container become flexible items.

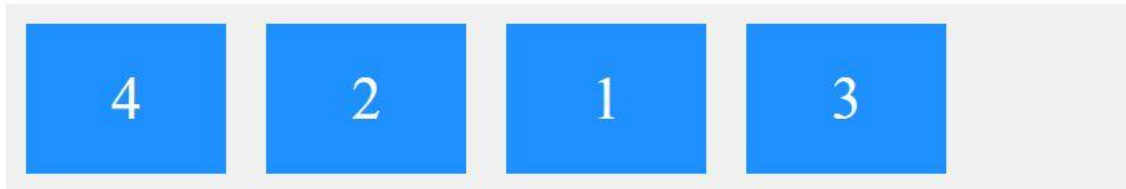
The form of an inline CSS item is `<div style="property: value">1</div>`

Example

`<p>Use the order property to sort the flex items as you like:</p>`

```
<div class="flex-container">
  <div style="order: 3">1</div>
  <div style="order: 2">2</div>
  <div style="order: 4">3</div>
  <div style="order: 1">4</div>
</div>
```

Use the order property to sort the flex items as you like:



The flex item properties are:

- [order](#)
- [flex-grow](#)
- [flex-shrink](#)
- [flex-basis](#)
- [flex](#) is short-hand for the previous 3
- [align-self](#)

(See https://www.w3schools.com/css/css3_flexbox.asp for the values of each flex item property
This is about halfway through the tutorial.)

Two good visual references are in Blackboard “Other Flexbox Learning Resources”

[A Complete Guide to Flexbox](#)
[Flexbox Playground **2](#)