

CSS Flex Container

- description : CSS Flex Container
- author :
- email : shlim@repia.com
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====The source of this article====[CSS Flex Container](#)

Parent Element (Container)

, 3 가 (blue)



display flex

Example

```

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Flex Container</title>
  <style>
    .flex-container {
      /* parent element */
      background-color: dodgerblue;
      display: flex;
    }
    .flex-container>div {
      /* direct child elements of the flexible container = flexible
items */
      background-color: #f1f1f1;
      margin: 10px;
      padding: 20px;
    }
  </style>
</head>
<body>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>
</body>
</html>

```

```
        font-size: 30px;
    }
</style>
</head>
<body>
  <!-- .flex-container>div*3 -->
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>
  <p>A Flexible Layout must have a parent element with the
<em>display</em>
  property set to <em>flex</em>.</p>
  <p>Direct child element(s) of the flexible container automatically
becomes
  flexible items.</p>
</body>
</html>
```

:

- flex-direction
- flex-wrap
- flex-flow
- justify-content
- align-items
- align-content

The flex-direction Property

flex-direction 가

The flex-direction Property

The "flex-direction: column;" stacks the flex items vertically (from top to bottom):



Example

column () .

```
<style>
  .flex-container {
    display: flex;
    flex-direction: column;
    background-color: dodgerblue;
  }

  .flex-container > div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

  <h1>The flex-direction Property</h1>

  <p>The "flex-direction: column;" stacks the flex items
  vertically (from top to bottom):</p>

  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>

</body>
```

Example

column-reverse () .

The flex-direction Property

The "flex-direction: column-reverse;" stacks the flex items vertically (but from bottom to top):



```
<style>
  .flex-container {
    display: flex;
    flex-direction: column-reverse;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>

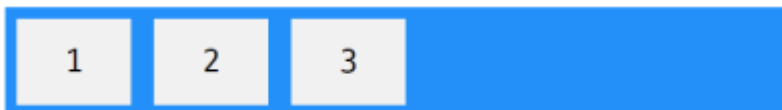
<body>
  <h1>The flex-direction Property</h1>
  <p>
    The "flex-direction: column-reverse;" stacks
    the flex items vertically (but from bottom to top):
  </p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>
</body>
```

Example

row () .

The flex-direction Property

The "flex-direction: row;" stacks the flex items horizontally (from left to right):



```

<style>
  .flex-container {
    display: flex;
    flex-direction: row;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>

<body>
  <h1>The flex-direction Property</h1>
  <p>The "flex-direction: row;" stacks the flex items horizontally
    (from left to right):</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>
</body>

```

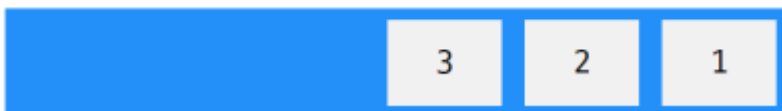
Example

row-reverse

가

The flex-direction Property

The "flex-direction: row-reverse;" stacks the flex items horizontally (from right to top):



```

<style>

```



```
<style>
  .flex-container {
    display: flex;
    flex-wrap: wrap;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>

<body>
  <h1>The flex-wrap Property</h1>
  <p>The "flex-wrap: wrap;" specifies that the flex items will wrap if
necessary:</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
    <div>4</div>
    <div>5</div>
    <div>6</div>
    <div>7</div>
    <div>8</div>
    <div>9</div>
    <div>10</div>
    <div>11</div>
    <div>12</div>
  </div>

</body>
```

Example

flex-wrap: nowrap

wrap

.(.)

The flex-wrap Property

The "flex-wrap: nowrap;" specifies that the flex items will not wrap (this is default):



```
<style>
  .flex-container {
    display: flex;
    flex-wrap: nowrap;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>
  <h1>The flex-wrap Property</h1>
  <p>The "flex-wrap: nowrap;" specifies that the flex items will not wrap
  (this is default):</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
    <div>4</div>
    <div>5</div>
    <div>6</div>
    <div>7</div>
    <div>8</div>
    <div>9</div>
    <div>10</div>
    <div>11</div>
    <div>12</div>
  </div>
</body>
```

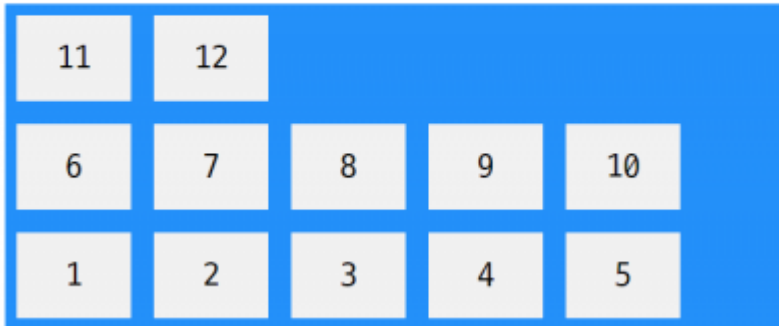

Example

flex-wrap: wrap-reverse

wrap

The flex-wrap Property

The "flex-wrap: wrap-reverse;" specifies that the flex items will wrap if necessary, in reverse order:



```

<style>
  .flex-container {
    display: flex;
    flex-wrap: wrap-reverse;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

<h1>The flex-wrap Property</h1>
<p>The "flex-wrap: wrap-reverse;" specifies that the flex items will wrap
  if necessary, in reverse order:</p>
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
  <div>4</div>
  <div>5</div>
  <div>6</div>
  <div>7</div>
  <div>8</div>
  <div>9</div>
  <div>10</div>

```

```
<div>11</div>
<div>12</div>
</div>

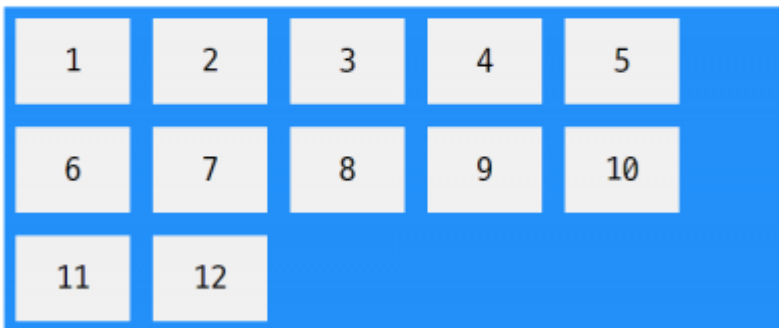
</body>
```

The flex-flow Property

flex-flow flex-direction flex-wrap 2가

The flex-flow Property

The flex-flow property is a shorthand property for the flex-direction and the flex-wrap properties.



Example

```
<style>
  .flex-container {
    display: flex;
    flex-flow: row wrap;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

  <h1>The flex-flow Property</h1>
```

```
<p>The flex-flow property is a shorthand property for the flex-direction and the flex-wrap properties.</p>
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
  <div>4</div>
  <div>5</div>
  <div>6</div>
  <div>7</div>
  <div>8</div>
  <div>9</div>
  <div>10</div>
  <div>11</div>
  <div>12</div>
</div>
</body>
```

The justify-content Property

justify-content



Example

center

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Flex Direction Property</title>
  <style>
    .flex-container {
      display: flex;
      justify-content: center;
    }
  </style>
</head>
<body>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>
</body>
```



```

    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

<h1>The justify-content Property</h1>

<p>The "justify-content: flex-start;" aligns the flex items
  at the beginning of the container(this is default):</p>
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
</div>

</body>

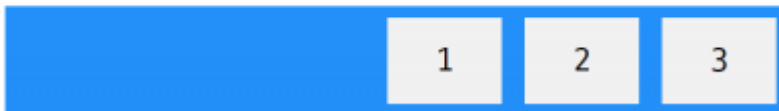
```

Example

flex-end

The justify-content Property

The "justify-content: flex-end;" aligns the flex items at the end of the container:



```

<style>
  .flex-container {
    display: flex;
    justify-content: flex-end;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>

```

```
</head>
<body>
  <h1>The justify-content Property</h1>

  <p>The "justify-content: flex-end;" aligns the flex items
    at the end of the container:</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>

</body>
```

Example

space-around

The justify-content Property

The "justify-content: space-around;" displays the flex items with space before, between and after the lines:



```
<style>
  .flex-container {
    display: flex;
    justify-content: space-around;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>

<body>
  <h1>The justify-content Property</h1>

  <p>The "justify-content: space-around;" displays the flex items
    with space before, between and after the lines:</p>
```

```
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
</div>

</body>
```

Example

space-between

The justify-content Property

The "justify-content: space-between;" displays the flex items with space between the lines:



```
<style>
  .flex-container {
    display: flex;
    justify-content: space-between;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>
  <h1>The justify-content Property</h1>

  <p>The "justify-content: space-between;" displays the flex items
    with space between the lines:</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>

</body>
```

The align-items Property

align-items

The align-items Property

The "align-items: center;" aligns the flex items in the middle of the container:



200px

align-items

Example

center

```
<style>
  .flex-container {
    display: flex;
    height: 200px;
    align-items: center;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head><body>
  <h1>The align-items Property</h1>

  <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>
```



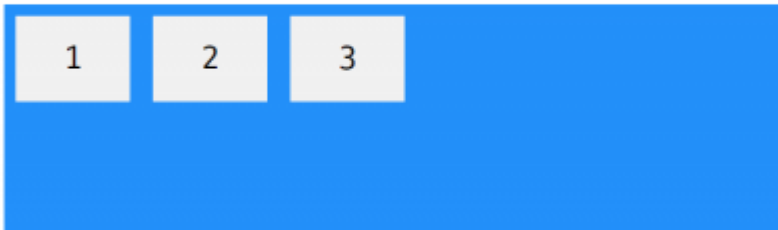
```
</body>
```

Example

flex-start

The align-items Property

The "align-items: flex-start;" aligns the flex items at the top of the container:



```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Flex Direction Property</title>
  <style>
    .flex-container {
      display: flex;
      height: 200px;
      align-items: flex-start;
      background-color: dodgerblue;
    }

    .flex-container > div {
      background-color: #f1f1f1;
      width: 100px;
      margin: 10px;
      text-align: center;
      line-height: 75px;
      font-size: 30px;
    }
  </style>
</head>
<body>

  <h1>The align-items Property</h1>

  <p>The "align-items: flex-start;" aligns the flex items
    at the top of the container:</p>
```

```
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
</div>

</body>
</html>
```

Example

flex-end

```
<style>
  .flex-container {
    display: flex;
    height: 200px;
    align-items: flex-end;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

  <h1>The align-items Property</h1>

  <p>The "align-items: flex-end;" aligns the flex items
    at the bottom of the container:</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>

</body>
```

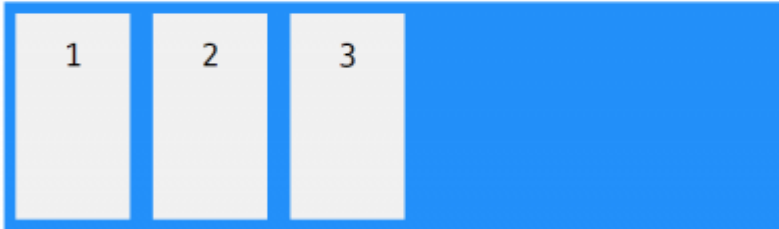
Example

stretch

.():

The align-items Property

The "align-items: stretch;" stretches the flex items to fill the container (this is default):



```

<style>
  .flex-container {
    display: flex;
    height: 200px;
    align-items: stretch;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>
  <h1>The align-items Property</h1>

  <p>The "align-items: stretch;" stretches the flex items
  to fill the container (this is default):</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>

</body>

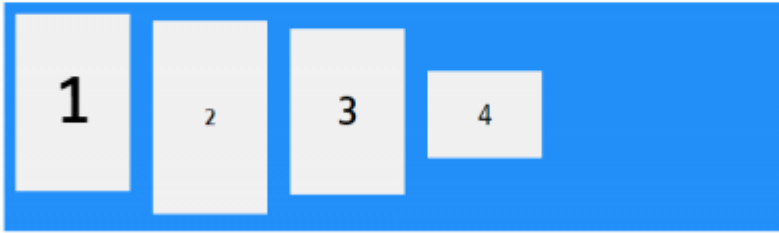
```

Example

baseline

The align-items Property

The "align-items: baseline;" aligns the flex items such as their baselines aligns:



```
<style>
  .flex-container {
    display: flex;
    height: 200px;
    align-items: baseline;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

  <h1>The align-items Property</h1>

  <p>The "align-items: baseline;" aligns the flex items
    such as their baselines aligns:</p>
  <div class="flex-container">
    <div><h1>1</h1></div>
    <div><h6>2</h6></div>
    <div><h3>3</h3></div>
    <div><small>4</small></div>
  </div>

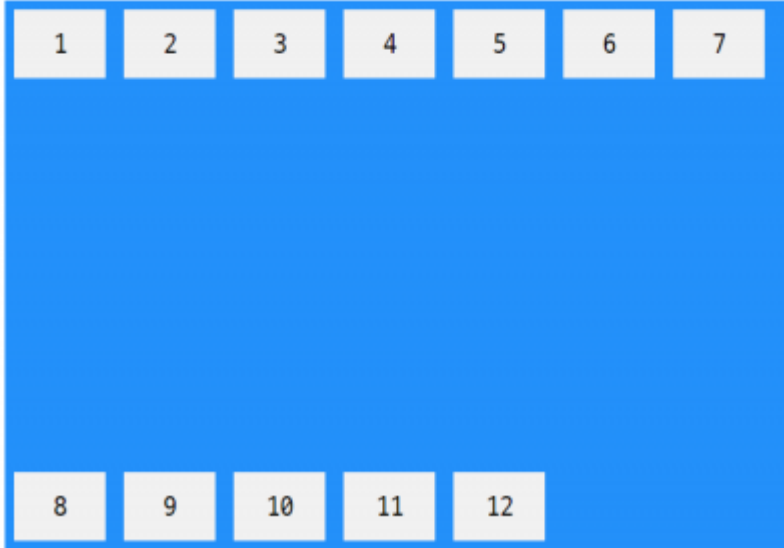
</body>
```

The align-content Property

align-content

The align-content Property

The "align-content: space-between;" displays the flex lines with equal space between them:



flex-wrap

wrap

600px

, align-

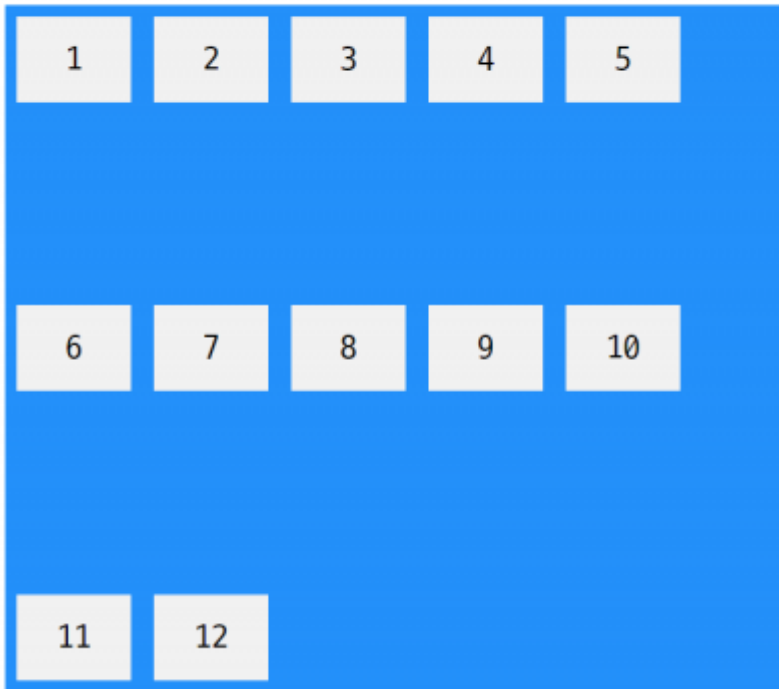
content

Example

space-between

The align-content Property

The "align-content: space-between;" displays the flex lines with equal space between them:



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: space-between;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

<h1>The align-content Property</h1>

<p>The "align-content: space-between;" displays the flex lines
  with equal space between them:</p>

<div class="flex-container">
```

```
<div>1</div>
<div>2</div>
<div>3</div>
<div>4</div>
<div>5</div>
<div>6</div>
<div>7</div>
<div>8</div>
<div>9</div>
<div>10</div>
<div>11</div>
<div>12</div>
</div>

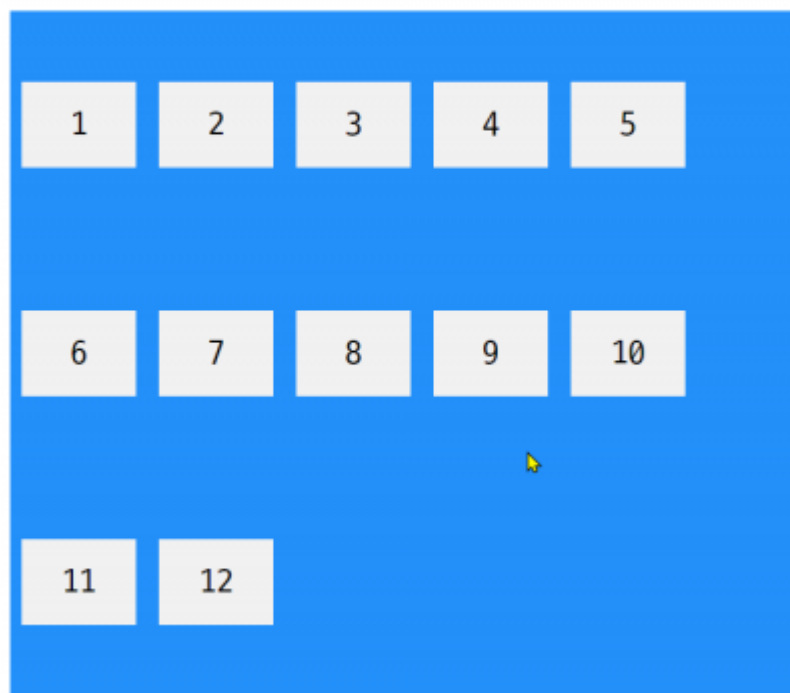
</body>
```

Example

space-around

The align-content Property

The "align-content: space-around;" displays the flex lines with space before, between and after them:



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: space-around;
    background-color: dodgerblue;
  }
```

```
}  
  
.flex-container > div {  
  background-color: #f1f1f1;  
  width: 100px;  
  margin: 10px;  
  text-align: center;  
  line-height: 75px;  
  font-size: 30px;  
}  
</style>  
</head>  
<body>  
  
<h1>The align-content Property</h1>  
  
<p>The "align-content: space-around;" displays the flex lines  
  with space before, between and after them:</p>  
  
<div class="flex-container">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
  <div>7</div>  
  <div>8</div>  
  <div>9</div>  
  <div>10</div>  
  <div>11</div>  
  <div>12</div>  
</div>  
  
</body>
```

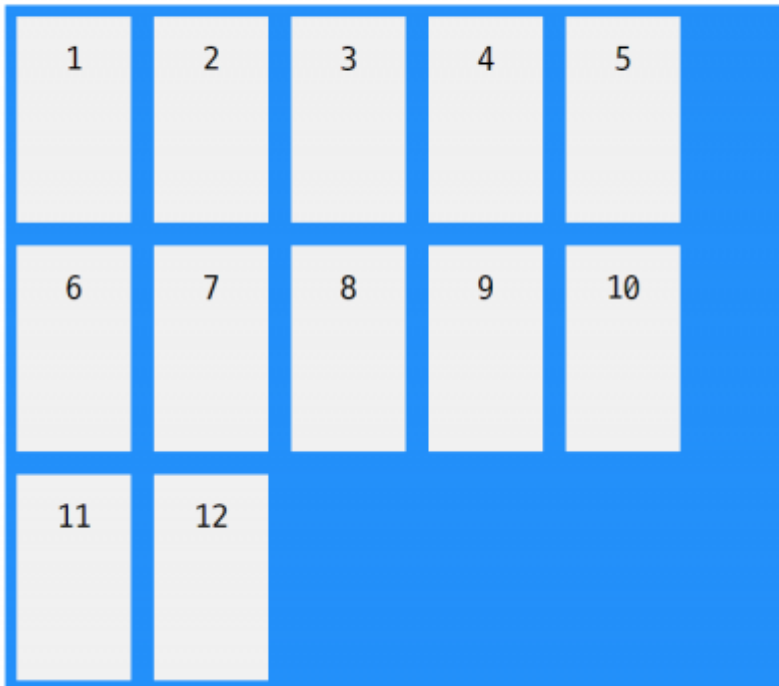
Example

stretch

.()

The align-content Property

The "align-content: stretch;" stretches the flex lines to take up the remaining space (this is default):



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: stretch;
    background-color: dodgerblue;
  }

  .flex-container > div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

  <h1>The align-content Property</h1>

  <p>The "align-content: stretch;" stretches the flex lines
    to take up the remaining space (this is default):</p>

  <div class="flex-container">
    <div>1</div>
```

```
<div>2</div>
<div>3</div>
<div>4</div>
<div>5</div>
<div>6</div>
<div>7</div>
<div>8</div>
<div>9</div>
<div>10</div>
<div>11</div>
<div>12</div>
</div>

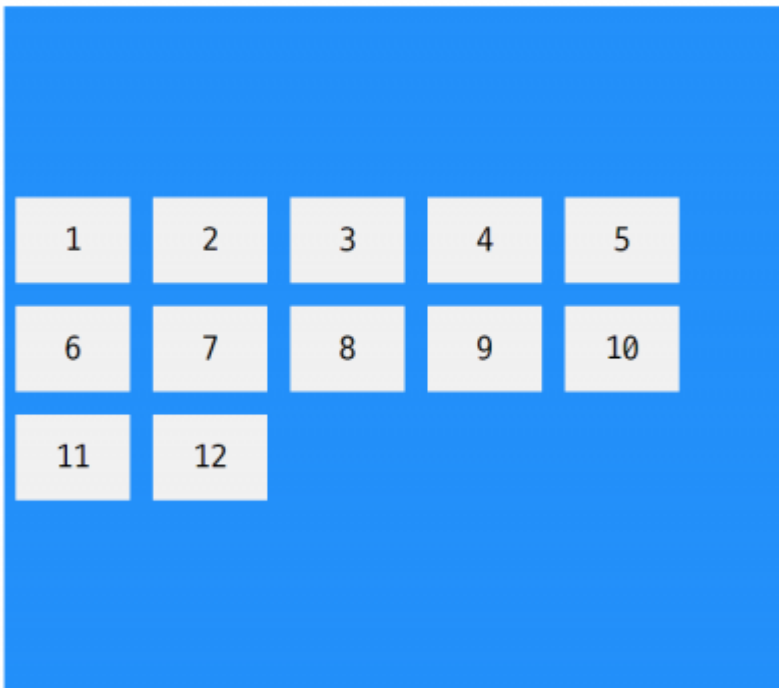
</body>
```

Example

center

The align-content Property

The "align-content: center;" displays the flex lines in the middle of the container:



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: center;
    background-color: dodgerblue;
  }
</style>
```

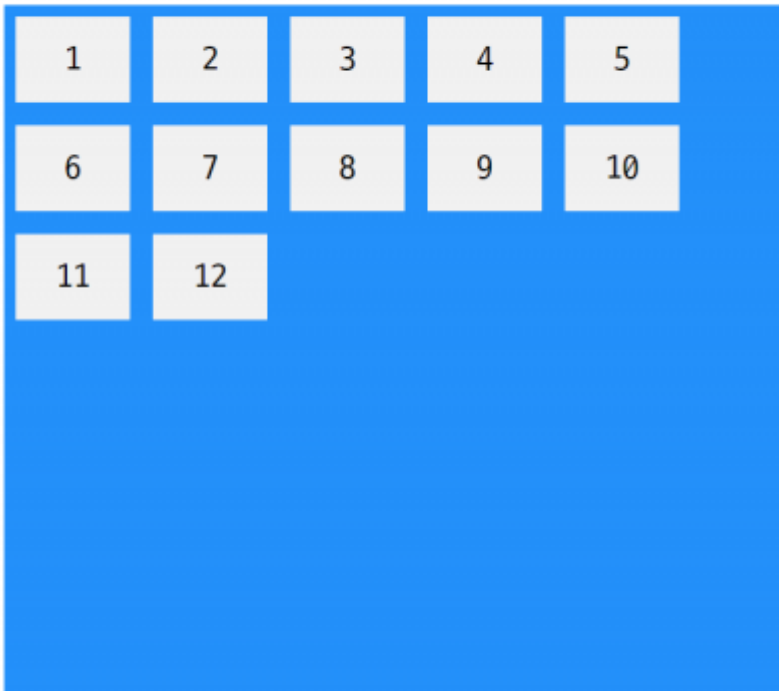
```
}  
  
.flex-container > div {  
  background-color: #f1f1f1;  
  width: 100px;  
  margin: 10px;  
  text-align: center;  
  line-height: 75px;  
  font-size: 30px;  
}  
</style>  
</head>  
<body>  
  
<h1>The align-content Property</h1>  
  
<p>The "align-content: center;" displays the flex lines  
  in the middle of the container:</p>  
  
<div class="flex-container">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
  <div>7</div>  
  <div>8</div>  
  <div>9</div>  
  <div>10</div>  
  <div>11</div>  
  <div>12</div>  
</div>  
  
</body>
```

Example

flex-start

The align-content Property

The "align-content: flex-start;" displays the flex lines at the start of the container.



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: flex-start;
    background-color: dodgerblue;
  }

  .flex-container > div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

<h1>The align-content Property</h1>

<p>The "align-content: flex-start;" displays the flex lines
  at the start of the container.</p>

<div class="flex-container">
```

```
<div>1</div>
<div>2</div>
<div>3</div>
<div>4</div>
<div>5</div>
<div>6</div>
<div>7</div>
<div>8</div>
<div>9</div>
<div>10</div>
<div>11</div>
<div>12</div>
</div>

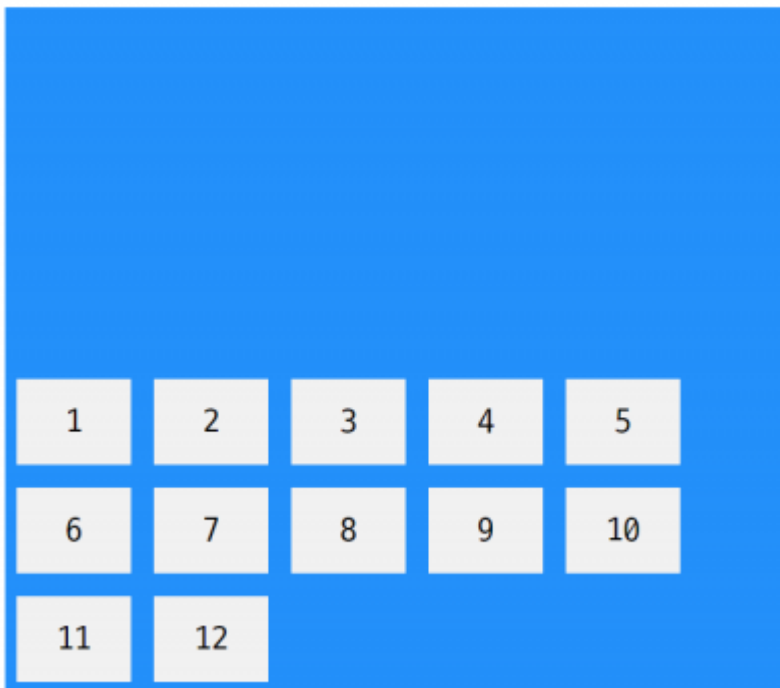
</body>
```

Example

flex-end

The align-content Property

The "align-content: flex-end;" displays the flex lines at the end of the container.



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: flex-end;
    background-color: dodgerblue;
  }
```

```
}

.flex-container > div {
  background-color: #f1f1f1;
  width: 100px;
  margin: 10px;
  text-align: center;
  line-height: 75px;
  font-size: 30px;
}
</style>
</head>
<body>

<h1>The align-content Property</h1>

<p>The "align-content: flex-end;" displays the flex lines
  at the end of the container.</p>

<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
  <div>4</div>
  <div>5</div>
  <div>6</div>
  <div>7</div>
  <div>8</div>
  <div>9</div>
  <div>10</div>
  <div>11</div>
  <div>12</div>
</div>

</body>
```

Perfect Centering

Perfect Centering

A container with both the `justify-content` and the `align-items` properties set to `center` will align the item(s) in the center (in both axis).



SOLUTION: `justify-content` `align-items` `center` ,

```
<style>
  .flex-container {
    display: flex;
    justify-content: center;
    align-items: center;
    height: 300px;
    background-color: DodgerBlue;
  }

  .flex-container > div {
    background-color: #f1f1f1;
    color: white;
    width: 100px;
    height: 100px;
  }
</style>
</head>
<body>

  <h1>Perfect Centering</h1>

  <p>A container with both the justify-content and the align-items
properties
set to center will align the item(s) in the center (in both
axis).</p>

  <div class="flex-container">
    <div></div>
  </div>

</body>
```

All CSS Flexbox Container Properties

Property	Description
align-center	flex-wrap . align-items
align-items	
display	HTML
flex-direction	
flex-flow	flex-direction flex-wrap
flex-wrap	float
justify-content	가

,, [CSS](#), [Flex](#), [Container](#)

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