4) Flexbox items alignment properties

- The flexbox items are aligned at the start of the cross axis.
- By default, the cross axis is vertical. This means the flexbox items will be aligned vertically at the top.
- The flexbox items are aligned at the end of the cross axis.
- With these alignment properties we aligned flexbox items across main axis.

We have following properties for Flexbox items alignment :-

- a) justify-content
- b) align-items
- c) align-content
- d) align-self

a) justify-content

- This property aligns the flexbox items horizontally and along the main axis when flex-direction is row.
- This property aligns the flexbox items vertically and along the main axis when flexdirection is column.
- The justify-content property accepts following values: flex-start(default) / flex-end / center / space-between / space-around / space-evenly.

Syntax

justify-content: flex-start | flex-end | center | space-between | space-around | space-evenly

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      justify-content: center;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
    }
    .item1
       background-color: red;
    }
```

```
.item2
       background-color: green;
    }
    .item3
       background-color: yellow;
    }
    .item4
      background-color: indigo;
    }
    .item5
       background-color: blue;
    }
    .item6
      background-color: green;
    }
    .item7
      background-color: pink;
   }
  </style>
</head>
<body>
  <div class="container">
     <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
     <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
     <div class="items item7">Item7</div>
  </div>
</body>
</html>
```

Example -- justify-content:space-evenly

With this value every flex items have equal space around it.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    }
    html,body
      margin: 0px;
   padding: 0px;
    }
    .container
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      justify-content: space-evenly;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
    }
    .item1
               {
      background-color: red;
    }
```

```
.item2
      background-color: green;
    }
    .item3
      background-color: yellow;
    }
    .item4
      background-color: indigo;
    }
    .item5
      background-color: blue;
    }
    .item6
      background-color: green;
    }
    .item7
      background-color: pink;
   }
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
    <div class="items item7">Item7</div>
  </div>
</body>
</html>
```

b) align-items

- This property aligns the flexbox items vertically and along the cross axis when flexdirection is row.
- This property aligns the flexbox items horizontally and along the cross axis when flex-direction is column.
- The align-items property accepts following values: flex-start / flex-end / center / baseline / stretch(default).

Syntax

align-items: flex-start | flex-end | center | baseline | stretch



Example -- align-items:stretch

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      height: 300px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      align-items: stretch;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
    }
    .item1
      background-color: red;
    }
```

```
.item2
      background-color: green;
    }
    .item3
      background-color: yellow;
    }
    .item4
      background-color: indigo;
    }
    .item5
      background-color: blue;
    }
    .item6
      background-color: green;
    }
    .item7
      background-color: pink;
   }
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
    <div class="items item7">Item7</div>
  </div>
</body>
</html>
```

Example -- align-items : center

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      height: 300px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      align-items: center;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
    }
    .item1
      background-color: red;
    }
```

```
.item2
       background-color: green;
    }
    .item3
       background-color: yellow;
    }
    .item4
      background-color: indigo;
    }
    .item5
       background-color: blue;
    }
    .item6
      background-color: green;
    }
    .item7
      background-color: pink;
   }
  </style>
</head>
<body>
  <div class="container">
     <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
     <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
     <div class="items item7">Item7</div>
  </div>
</body>
</html>
```

align-items: baseline

- The baseline value will align flex items along their text content's baseline.
- But if content size varies among flex items, then baseline can make a noticeable difference.
- In terms of where baseline alignment occurs, that is determined by the tallest item in the row.

Example: before baseline

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
          {
       box-sizing: border-box;
    }
    html,body
       margin: 0px;
       padding: 0px;
    }
    .container
                   {
       height: 300px;
       padding: 10px;
       border: 2px solid black;
       margin: 40px auto;
       background: silver;
       display: flex;
       align-items: flex-start;
    }
    .items
               {
       color:#fff;
       font-size: 20px;
       font-weight: bold;
       padding: 10px;
       margin: 10px;
                        }
```

```
.item1
               {
       background-color: red;
    }
    .item2
               {
       background-color: green;
      font-size: 40px;
       height: 200px;
    }
    .item3
       background-color: yellow;
    }
    .item4
               {
       background-color: indigo;
    }
    .item5
               {
       background-color: blue;
    }
    .item6
       background-color: green;
      font-size: 10px;
    .item7
               {
       background-color: pink;
    }
  </style>
</head>
<body>
    <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
    <div class="items item7">Item7</div>
  </div>
</body>
</html>
```

Example -- after baseline

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      height: 300px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      align-items: baseline;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
    }
    .item1
      background-color: red;
    }
```

```
.item2
       background-color: green;
       font-size: 40px;
       height: 200px;
    }
    .item3
       background-color: yellow;
    }
    .item4
       background-color: indigo;
    }
    .item5
       background-color: blue;
    }
    .item6
       background-color: green;
      font-size: 10px;
   1
    .item7
       background-color: pink;
    }
  </style>
</head>
<body>
    <div class="container">
     <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
     <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
     <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
     <div class="items item7">Item7</div>
  </div>
</body>
</html>
```

c) align-content

- This property aligns the flexbox items vertically and along the main axis when flexdirection is row.
- Align-content property always work with flex-wrap property. If we don't use flex-wrap property then align-content will not work.
- This property have following values: flex-start / flex-end / stretch(default) / space-around / space-between / space-evenly / center.
- The difference between align-items & align-content is that the align-items is use for vertical alignment of single row, while the align-content is use for multiple rows alignment.

Syntax



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      width: 300px;
      height: 300px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
      align-content: flex-end;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
    }
    .item1
      background-color: red;
                                 }
```

```
.item2
       background-color: green;
    }
    .item3
       background-color: yellow;
    }
    .item4
       background-color: indigo;
    }
    .item5
       background-color: blue;
    }
    .item6
      background-color: green;
    }
    .item7
      background-color: pink;
   0
    .item8
       background-color: red;
    }
  </style>
</head>
<body>
    <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
    <div class="items item7">Item7</div>
    <div class="items item8">Item8</div>
  </div>
</body>
</html>
```

Example -- align-content : space-evenly

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
       box-sizing: border-box;
    html,body
                   {
       margin: 0px;
       padding: 0px;
    }
    .container {
      width: 300px;
       height: 300px;
       padding: 10px;
       border: 2px solid black;
       margin: 40px auto;
       background: silver;
       display: flex;
      flex-wrap: wrap;
       align-content: space-evenly;
    }
    .items
              {
       color:#fff;
      font-size: 20px;
      font-weight: bold;
       padding: 10px;
       margin: 10px;
    }
```

```
.item1
       background-color: red;
    }
    .item2
       background-color: green;
    .item3
              {
       background-color: yellow;
    }
    .item4
       background-color: indigo;
    }
    .item5
       background-color: blue;
    .item6
       background-color: green;
    }
    .item7
       background-color: pink;
    }
    .item8
       background-color: red;
  </style>
</head>
<body>
    <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
    <div class="items item7">Item7</div>
    <div class="items item8">Item8</div>
  </div>
</body>
</html>
```

Example -- Important

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    *
       box-sizing: border-box;
    }
    html,body
      margin: 0px;
      padding: 0px;
    }
    .container
      width: 300px;
      height: 300px;
      padding: 10px;
       border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
      align-content: space-between;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
                        }
    .item1
      background-color: red;
    .item2
       background-color: green;
    }
```

```
.item3
               {
       background-color: yellow;
    }
    .item4
               {
       background-color: indigo;
    }
    .item5
               {
       background-color: blue;
    .item6
               {
       background-color: green;
    }
    .item7
       background-color: pink;
    }
    .item8
               {
       background-color: red;
    }
  </style>
</head>
<body>
    <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <!-- <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
    <div class="items item6">Item6</div>
    <div class="items item7">Item7</div>
    <div class="items item8">Item8</div> -->
  </div>
</body>
</html>
```

Note:- Here, "align-content: space-between" not working properly cause "align-content" would not be working for single row flex-items.

d) align-self

- This property works for the alignment of flex items vertically when "flex-direction is row".
- If the container has align-items: center and the target has align-self: baseline, only the target will be at the baseline of the cross axis. By default, this means it will be aligned along the basline of the text.
- This property have following values: auto / flex-start / flex-end / center / stretch / baseline

Syntax

align-self: flex-start(default) / flex-end / center / stretch / baseline / auto



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      width: 300px;
      height: 300px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
      align-items: flex-start;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
                        }
    .item1
             {
      background-color: red;
      align-self: center;
```

```
.item2
       background-color: green;
    }
    .item3
       background-color: yellow;
    }
    .item4
       background-color: indigo;
    }
    .item5
       background-color: blue;
    }
    .item6
       background-color: green;
    }
    .item7
       background-color: pink;
   1
    .item8
       background-color: red;
    }
  </style>
</head>
<body>
       <div class="container">
       <div class="items item1">Item1</div>
       <div class="items item2">Item2</div>
       <div class="items item3">Item3</div>
      <div class="items item4">Item4</div>
       <div class="items item5">Item5</div>
       <div class="items item6">Item6</div>
       <div class="items item7">Item7</div>
       <div class="items item8">Item8</div>
  </div>
</body>
</html>
```

Example -- align-self:baseline

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      width: 300px;
      height: 300px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
      align-items: center;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
                        }
    .item1
             {
      background-color: red;
      font-size: 10px;
                          }
```

```
.item2
               {
       background-color: green;
    }
    .item3
      background-color: yellow;
      height: 100px;
      font-size: 20px;
      align-self: baseline;
    }
    </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
  </div>
</body>
</html>
```

Example -- align-self:auto

When we applies "align-self:auto" then the flex_items(child container) inherits the parent align-item property.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    *
      box-sizing: border-box;
    }
    html,body
   margin: 0px;
      padding: 0px;
    }
    .container
      width: 300px;
      height: 300px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
      align-items: center;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
                        }
```

```
.item1
               {
      background-color: red;
    }
    .item2
      background-color: green;
    }
    .item3
      background-color: yellow;
      align-self: auto;
    }
      </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
   <div class="items item3">Item3</div>
  </div>
</body>
</html>
```

Example -- align-self:stretch

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      width: 300px;
      height: 300px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
      align-items: center;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
                        }
    .item1
    {
      background-color: red;
                                  }
```

```
.item2
               {
      background-color: green;
    }
    .item3
               {
      background-color: yellow;
      align-self: stretch;
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
  </div>
</body>
</html>
```

5) Ordering Flexbox items

- The order CSS property sets the order to layout an item in a flex container. Items in a container are sorted by ascending order value and then by their source code order.
- For Ordering flex-items we use "order" property.
- By default the order of every flex-items is 0.

Syntax

order: order_number



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      width: 600px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
    }
    .item1
      background-color: red;
    }
```

```
.item2
      background-color: green;
      order: 1;
    }
    .item3
      background-color: yellow;
    .item4
      background-color: indigo;
      order: 2;
    }
    .item5
      background-color: blue;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
  </div>
</body>
</html>
```

Example -- When order is -1

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      width: 600px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
    }
    .item1
      background-color: red;
    }
```

```
.item2
               {
      background-color: green;
       order: 1;
    }
    .item3
      background-color: yellow;
    .item4
               {
      background-color: indigo;
       order: 2;
    }
    .item5
       background-color: blue;
      order: -1;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
  </div>
</body>
</html>
```

6) flex-grow / flex-basis / flex-shrink

a) flex-grow

- This property applies on the flex-items.
- The default value of "flex-grow" property is 0.
- When we apply "flex-grow:1" then it gives equal width of all flex-items.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    }
    html,body
      margin: 0px;
      padding: 0px;
    }
    .container
      width: 600px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
    }
    .items
             {
      color:#fff;
      font-size: 20px;
```

```
font-weight: bold;
      padding: 10px;
      margin: 10px;
      flex-grow: 1;
    }
    .item1
      background-color: red;
    }
    .item2
      background-color: green;
    }
    .item3
      background-color: yellow;
    }
    .item4
      background-color: indigo;
    }
   .item5
      background-color: blue;
    }
  </style>
</head>
<body>
    <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
  </div>
</body>
</html>
```

Example -- for individual item

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      width: 600px;
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
    }
    .items
               {
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
      flex-grow: 1;
    }
    .item1
      background-color: red;
    }
```

```
.item2
      background-color: green;
      flex-grow: 4;
    }
    .item3
      background-color: yellow;
    .item4
      background-color: indigo;
    }
    .item5
      background-color: blue;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
  </div>
</body>
</html>
```

b) flex-basis

- This property generally deals with the width of flex-items.
- This property has no effect on resizing browser window till there is an empty space inside the flex_container row.
- This property is best for making websites responsive.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
       box-sizing: border-box;
    }
    html,body
       margin: 0px;
       padding: 0px;
    }
    .container
                   {
       width: 600px;
       padding: 10px;
       border: 2px solid black;
       margin: 40px auto;
       background: silver;
       display: flex;
       flex-wrap: wrap;
    }
    .items
       height: 60px;
       color:#fff;
       font-size: 20px;
```

```
font-weight: bold;
       padding: 10px;
      margin: 10px;
      flex-grow: 1;
    }
    .item1
       background-color: red;
    }
    .item2
       background-color: green;
    }
    .item3
       background-color: yellow;
    }
    .item4
       background-color: indigo;
      flex-basis: 200px;
   1
    .item5
       background-color: blue;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
  </div>
</body>
</html>
```

Example -- Responsive Layout 1 / max-width case

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
    }
    .items
               {
      height: 60px;
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
      flex-basis: 100px;
    }
    .item1
               {
      background-color: red;
    }
```

```
.item2
       background-color: green;
    }
    .item3
      background-color: yellow;
    }
    .item4
      background-color: indigo;
      flex-basis: 200px;
    }
    .item5
               {
      background-color: blue;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
  </div>
</body>
</html>
```

Example -- Responsive Layout 2 / min-width case

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
      box-sizing: border-box;
    html,body
      margin: 0px;
      padding: 0px;
    }
   .container
      padding: 10px;
      border: 2px solid black;
      margin: 40px auto;
      background: silver;
      display: flex;
      flex-wrap: wrap;
    }
    .items
               {
      height: 60px;
      color:#fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: 10px;
      flex-grow: 1;
    }
    .item1
      background-color: red;
    }
```

```
.item2
       background-color: green;
    }
    .item3
      background-color: yellow;
    }
    .item4
      background-color: indigo;
      flex-basis: 200px;
    }
    .item5
               {
      background-color: blue;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="items item1">Item1</div>
    <div class="items item2">Item2</div>
    <div class="items item3">Item3</div>
    <div class="items item4">Item4</div>
    <div class="items item5">Item5</div>
  </div>
</body>
</html>
```

c) flex-shrink

- The flex-shrink CSS property sets the flex shrink factor of a flex item. If the size of all flex items is larger than the flex container, items shrink to fit according to flexshrink.
- In use, flex-shrink is used alongside the other flex properties flex-grow and flex-basis, and normally defined using the flex shorthand.

Example -- No-shrinking

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
      background-color: olivedrab;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
      display: flex;
    }
    .items
               {
      color: white;
      font-size: 20px;
      font-weight: bold;
      text-align: center;
      padding: 0px;
      margin: 0px;
      height: 60px;
      width: 200px;
    }
```

```
.item1
               {
      background: blue;
      flex-shrink: 0;
    }
    .item2
      background: red;
    .item3
      background: green;
    }
    .item4
      background: yellow;
    }
  </style>
</head>
<body>
  <h1>CSS Flex-Shrink Property</h1>
  <div class="container">
    <div class="items item1">One</div>
    <div class="items item2">Two</div>
    <div class="items item3">Three</div>
    <div class="items item4">Four</div>
  </div>
</body>
</html>
```

Example -- Shrinking

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
                  {
      background-color: orchid;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
      display: flex;
    }
   citems
    {
      color: white;
      font-size: 20px;
      font-weight: bold;
      text-align: center;
      padding: 0px;
      margin: 0px;
      height: 60px;
      width: 200px;
    }
    .item1
      background: blue;
      flex-shrink: 3;
    }
    .item2
      background: red;
    }
    .item3
      background: green;
                              }
```

```
.item4
              {
      background: yellow;
    }
  </style>
</head>
<body>
  <h1>CSS Flex-Shrink Property</h1>
    <div class="container">
    <div class="items item1">One</div>
    <div class="items item2">Two</div>
    <div class="items item3">Three</div>
    <div class="items item4">Four</div>
  </div>
</body>
</html>
```

Example -- Shrinking

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
                   {
       background-color: orchid;
       margin: 50px;
       padding: 0px;
       border: 4px solid black;
       display: flex;
      width: 0 auto;
   max-height: 100px;
    }
    .items
    {
       color: white;
       font-size: 20px;
      font-weight: bold;
       text-align: center;
       padding: 0px;
       margin: 0px;
       flex-grow: 1;
       flex-shrink: 1;
       flex-basis: 300px;
    }
    .item1
               {
       background: blue;
                             }
    .item2
       background: red;
       flex-shrink: 2;
       }
```

```
.item3
              {
      background: green;
    }
    .item4
      background: yellow;
    }
  </style>
</head>
<body>
  <h1>CSS Flex-Shrink Property</h1>
  <div class="container">
    <div class="items item1">One</div>
    <div class="items item2">Two</div>
    <div class="items item3">Three</div>
    <div class="items item4">Four</div>
  </div>
</body>
</html>
```

Example -- Shrinking

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .flex-container {
       padding: 0;
       margin: 0;
       list-style: none;
       -ms-box-orient: horizontal;
       display: -webkit-box;
       display: -moz-box;
   display: -ms-flexbox;
       display: -moz-flex;
       display: -webkit-flex;
       display: flex;
    }
    .flex-item {
       background: tomato;
       padding: 10px;
       border: 5px solid red;
       color: white;
       font-weight: bold;
       font-size: 2em;
       text-align: center;
    }
    .flex1 { flex: 1 1 20em; }
    .flex2 { flex: 2 2 20em; }
       </style>
</head>
<body>
```



Example -- Shorthand

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
                   {
       background-color: orchid;
       margin: 50px;
       padding: 0px;
       border: 4px solid black;
       display: flex;
    }
   items
       color: white;
       font-size: 20px;
       font-weight: bold;
       text-align: center;
       padding: 0px;
       margin: 0px;
      height: 60px;
    }
    .item1
               {
       background: blue;
      flex: 0 1 400px; /* flex-grow flex-shrink flex-basis */
    }
    .item2
               {
       background: red;
    }
    .item3
       background: green;
    }
```

```
.item4
      background: yellow;
    }
  </style>
</head>
<body>
  <h1>CSS Flex-Shrink Property</h1>
    <div class="container">
    <div class="items item1">One</div>
    <div class="items item2">Two</div>
    <div class="items item3">Three</div>
    <div class="items item4">Four</div>
  </div>
</body>
</html>
```

Example -- Default Flex-Basis Value (i.e. auto)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
   .container
                 {
       background-color: orchid;
       margin: 50px;
       padding: 0px;
       border: 4px solid black;
       display: flex;
    }
   items
       color: white;
       font-size: 20px;
       font-weight: bold;
       text-align: center;
       padding: 0px;
       margin: 0px;
      height: 60px;
    }
    .item1
               {
       background: blue;
      flex: 0 1 auto; /* flex-grow flex-shrink flex-basis */
    }
    .item2
               {
       background: red;
    }
    .item3
       background: green;
    }
```

```
.item4
      background: yellow;
  </style>
</head>
<body>
  <h1>CSS Flex-Shrink Property</h1>
  <div class="container">
    <div class="items item1">One</div>
    <div class="items item2">Two</div>
    <div class="items item3">Three</div>
    <div class="items item4">Four</div>
  </div>
</body>
</html>
```

Flexbox with "margin: auto"

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
      background-color: greenyellow;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
   height: 400px;
      display: flex;
    }
    .item
             {
      background: orangered;
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin: auto;
    }
  </style>
</head>
<body>
    <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item">One</div>
  </div>
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
      background-color: greenyellow;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
      height: 400px;
      display: flex;
   1
    .item
             {
      background: orangered;
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin-left: auto;
  </style>
</head>
<body>
    <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item">One</div>
  </div>
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
      background-color: greenyellow;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
      height: 400px;
      display: flex;
   1
    .item
             {
      background: orangered;
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin-top: auto;
  </style>
</head>
<body>
    <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item">One</div>
  </div>
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
      background-color: greenyellow;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
      height: 400px;
      display: flex;
   1
    .item
             {
      background: orangered;
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      padding: 10px;
      margin-top: auto;
      margin-left: auto;
    }
  </style>
</head>
<body>
    <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item">One</div>
  </div>
</body>
</html>
```

Example 5 -- Grab Free Space

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
                  {
      background-color: darkgrey;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
      display: flex;
    }
   item
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      text-align: center;
      padding: 0px;
      height: 100px;
      width: 100px;
    }
    .item1
      background-color: orangered;
    }
    .item2
      background-color: yellowgreen;
      margin-right: auto;
    }
    .item3
      background-color: mediumpurple;
    }
```

```
.item4
      background-color: hotpink;
    }
  </style>
</head>
<body>
    <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item item1">One</div>
    <div class="item item2">Two</div>
    <div class="item item3">Three</div>
    <div class="item item4">Four</div>
  </div>
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
                  {
      background-color: darkgrey;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
       display: flex;
    .item
             {
   color: #fff;
      font-size: 20px;
      font-weight: bold;
      text-align: center;
      padding: 0px;
      height: 100px;
      width: 100px;
    .item1
               {
      background-color: orangered;
    }
      .item2
      background-color: yellowgreen;
                                                }
    .item3
      background-color: mediumpurple;
                                            }
    .item4
      background-color: hotpink;
      margin-left: auto;
    }
  </style>
</head>
```



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
                  {
      background-color: darkgrey;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
       display: flex;
    }
   item
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      text-align: center;
      padding: 0px;
      height: 100px;
      width: 100px;
    }
    .item1
      background-color: orangered;
      margin-right: auto;
    }
    .item2
    {
      background-color: yellowgreen;
    }
    .item3
      background-color: mediumpurple;
    }
```

```
.item4
      background-color: hotpink;
      margin-left: auto;
    }
  </style>
</head>
<body>
  <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item item1">One</div>
    <div class="item item2">Two</div>
    <div class="item item3">Three</div>
    <div class="item item4">Four</div>
  </div>
</body>
</html>
```

Margin Vs Padding

Flexbox items and layouts would be affected by padding not by margin.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
      background-color: darkgrey;
      margin: 50px;
   padding: 0px;
      border: 4px solid black;
      display: flex;
      flex-direction: column;
    }
    .item
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      text-align: center;
      padding: 0px;
      height: 100px;
    }
    .item1
      background-color: orangered;
    }
   .item2
      background-color: yellowgreen;
      display: flex;
    }
```

```
.item2 > .subitem
      background-color: burlywood;
      color: white;
      flex-grow: 1;
      border: 4px solid yellow;
      padding: 40%;
    .item3
      background-color: mediumpurple;
    }
  </style>
</head>
<body>
  <h1>CSS Flexbox</h1>
  <div class="container">
   <div class="item item1">One</div>
    <div class="item item2">
       <div class="subitem subitem1">A</div>
       <div class="subitem subitem2">B</div>
       <div class="subitem subitem3">C</div>
    </div>
    <div class="item item3">Three</div>
  </div>
</body>
</html>
```

Nested Flex

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
      background-color: darkgrey;
      margin: 50px;
      padding: 0px;
   border: 4px solid black;
      display: flex;
      flex-direction: column;
    }
    .item
              {
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      text-align: center;
      padding: 0px;
      height: 100px;
    }
    .item1
      background-color: orangered;
    }
   .item2
      background-color: yellowgreen;
      display: flex;
    }
```

```
.item2 > .subitem
      background-color: burlywood;
      color: white;
      flex-grow: 1;
      border: 4px solid yellow;
    }
    .item3
      background-color: mediumpurple;
    }
  </style>
</head>
<body>
  <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item item1">One</div>
    <div class="item item2">
       <div class="subitem subitem1">A</div>
       <div class="subitem subitem2">B</div>
       <div class="subitem subitem3">C</div>
     </div>
     <div class="item item3">Three</div>
  </div>
</body>
</html>
```

Example 2 -- Nested Flexbox With "margin:auto"

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
                   {
       background-color: darkgrey;
       margin: 50px;
       padding: 0px;
       border: 4px solid black;
       display: flex;
      flex-direction: column;
   item
             {
       color: #fff;
       font-size: 20px;
       font-weight: bold;
       text-align: center;
       padding: 0px;
       height: 100px;
    .item1
               {
       background-color: orangered;
    }
      .item2
       background-color: yellowgreen;
       display: flex;
                       }
    .item2 > .subitem
                          {
       background-color: burlywood;
       color: white;
       flex-grow: 1;
       border: 4px solid yellow;
       margin: auto;
    }
```

```
.item3
      background-color: mediumpurple;
    }
  </style>
</head>
<body>
    <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item item1">One</div>
    <div class="item item2">
       <div class="subitem subitem1">A</div>
       <div class="subitem subitem2">B</div>
       <div class="subitem subitem3">C</div>
    </div>
    <div class="item item3">Three</div>
  </div>
</body>
</html>
```

Example 3 -- Nested Flexbox With "margin:auto"

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
                   {
       background-color: darkgrey;
       margin: 50px;
       padding: 0px;
       border: 4px solid black;
       display: flex;
      flex-direction: column;
   item
             {
       color: #fff;
       font-size: 20px;
       font-weight: bold;
       text-align: center;
       padding: 0px;
       height: 100px;
    .item1
               {
       background-color: orangered;
    }
      .item2
       background-color: yellowgreen;
       display: flex;
    .item2 > .subitem
                          {
       background-color: burlywood;
       color: white;
       flex-grow: 1;
       border: 4px solid yellow;
       margin-left: auto;
    }
```

```
.item3
      background-color: mediumpurple;
    }
  </style>
</head>
<body>
    <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item item1">One</div>
    <div class="item item2">
       <div class="subitem subitem1">A</div>
       <div class="subitem subitem2">B</div>
       <div class="subitem subitem3">C</div>
    </div>
    <div class="item item3">Three</div>
  </div>
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .container
      background-color: darkgrey;
      margin: 50px;
      padding: 0px;
      border: 4px solid black;
      display: flex;
   flex-direction: column;
    }
    .item
    {
      color: #fff;
      font-size: 20px;
      font-weight: bold;
      text-align: center;
      padding: 0px;
      height: 100px;
    }
    .item1
      background-color: orangered;
    }
      .item2
      background-color: yellowgreen;
      display: flex;
    }
```

```
.item2 > .subitem
      background-color: burlywood;
      color: white;
      flex-grow: 1;
      border: 4px solid yellow;
    .item3
    {
      background-color: mediumpurple;
    }
    .subitem2
      margin: auto;
    }
  </style>
</head>
<body>
  <h1>CSS Flexbox</h1>
  <div class="container">
    <div class="item item1">One</div>
    <div class="item item2">
       <div class="subitem subitem1">A</div>
       <div class="subitem subitem2">B</div>
       <div class="subitem subitem3">C</div>
    </div>
    <div class="item item3">Three</div>
  </div>
</body>
</html>
```

Website Layout Using Flexbox

```
<!DOCTYPE html>
<html>
<head>
  <title>Document</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <style>
    * {
       box-sizing: border-box;
    }
    .row {
       display: flex;
       flex-wrap: wrap;
    }
    /* Four equal columns */
    .column {
   flex: 25%;
       padding: 20px;
    }
    /* If a screen is 992px or less wide, keep two columns */
    @media screen and (max-width: 992px) {
       .column {
         flex: 50%;
       }
    /* If a screen is 600px or less wide, stack the columns on top of each other instead
of next to each other */
    @media screen and (max-width: 600px) {
         flex-direction: column;
       }
    }
  </style>
</head>
```

```
<body>
    <div class="row">
      <div class="column" style="background-color: lightgreen;">
        <h2>Column 1</h2>
        Some text..
      </div>
      <div class="column" style="background-color: lightblue;">
        <h2>Column 2</h2>
        Some text..
      </div>
      <div class="column" style="background-color: pink;">
        <h2>Column 3</h2>
        Some text..
      </div>
      <div class="column" style="background-color: lightgrey;">
        <h2>Column 4</h2>
   Some text..
      </div>
    </div>
</body>
</html>
```