



# HTML

# JS

# CSS

HTML IS ?

**HTML**



```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

# My First Heading

My first paragraph.

- The `<!DOCTYPE html>` declaration defines this document to be HTML5
- The `<html>` element is the root element of an HTML page
- The `<head>` element contains meta information about the document
- The `<title>` element specifies a title for the document
- The `<body>` element contains the visible page content
- The `<h1>` element defines a large heading
- The `<p>` element defines a paragraph

# HTML Page Structure

```
<html>
```

```
<head>
```

```
<title>Page title</title>
```

```
</head>
```

```
<body>
```

```
<h1>This is a heading</h1>
```

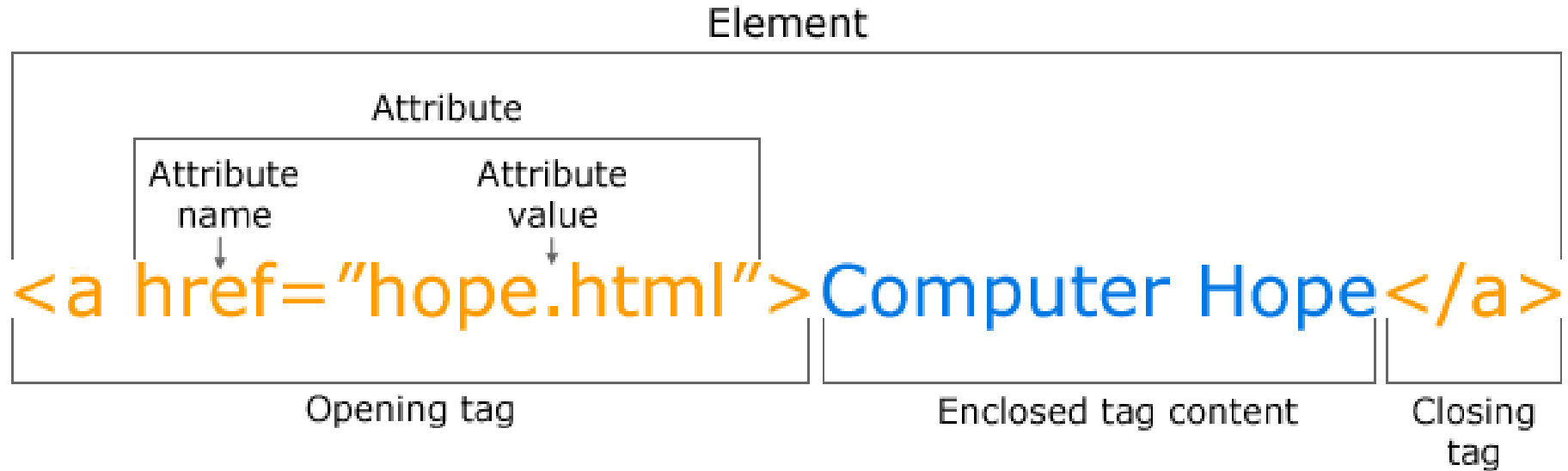
```
<p>This is a paragraph.</p>
```

```
<p>This is another paragraph.</p>
```

```
</body>
```

```
</html>
```

# HTML Element



- **Element** : The opening tag, plus the closing tag, plus the content is equal element.
- **Opening tag** : The name of element.
- **Closing tag** : Same as the opening tag.
- **Content** : The content of element
- **Attribute** : The ability of tag can have one or more attribute

# HTML Heading

```
<!DOCTYPE html>
<html>
<body>

<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>

</body>
</html>
```

**Heading 1**

**Heading 2**

**Heading 3**

**Heading 4**

**Heading 5**

**Heading 6**

# HTML Paragraph

```
<!DOCTYPE html>
<html>
<body>

<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>

</body>
</html>
```

This is a paragraph.

This is a paragraph.

This is a paragraph.

# HTML Table

```
<!DOCTYPE html>
<html>
<body>

<table style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
  <tr>
    <td>John</td>
    <td>Doe</td>
    <td>80</td>
  </tr>
</table>

</body>
</html>
```

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80



# HTML Inputs

```
<!DOCTYPE html>
<html>
<body>

<form action="">
User name:<br>
<input type="text" name="userid">
<br>
User password:<br>
<input type="password" name="psw">
</form>

</body>
</html>
```

User name:

User password:

# HTML Inputs(...)

```
<!DOCTYPE html>
<html>
<body>

<form action="/action_page.php">
First name:<br>
<input type="text" name="firstname" value="Mickey">
<br>
Last name:<br>
<input type="text" name="lastname" value="Mouse">
<br><br>
<input type="submit" value="Submit">
<input type="reset">
</form>

</body>
</html>
```

First name:

Last name:

# HTML Inputs(...)

```
<!DOCTYPE html>
<html>
<body>

<form action="/action_page.php">
  <input type="radio" name="gender" value="male" checked> Male<br>
  <input type="radio" name="gender" value="female"> Female<br>
  <input type="radio" name="gender" value="other"> Other<br><br>
  <input type="submit">
</form>

</body>
</html>
```

☒ Male  
☐ Female  
☐ Other

ส่ง

# HTML Inputs(...)

```
<!DOCTYPE html>
<html>
<body>

<form action="/action_page.php">
<input type="checkbox" name="vehicle1" value="Bike">I have a bike
<br>
<input type="checkbox" name="vehicle2" value="Car">I have a car
<br><br>
<input type="submit">
</form>

</body>
</html>
```

☒ I have a bike  
☒ I have a car

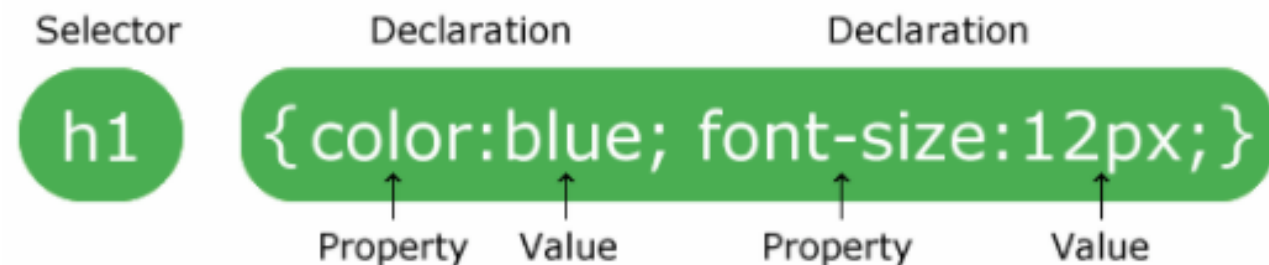
ส่ง

CSS IS ?

**CSS**



# CSS Syntax



```
<html>
<head>
<style>
p {
  color: red;
  text-align: center;
}
</style>
</head>
<body>

<p>Hello World!</p>
<p>These paragraphs are styled with CSS.</p>

</body>
</html>
```

Hello World!

These paragraphs are styled with CSS.

```
<html>
<head>
<style>
body {
  background-color: lightblue;
}

h1 {
  color: white;
  text-align: center;
}

p {
  font-family: verdana;
  font-size: 20px;
}
</style>
</head>
<body>

<h1>My First CSS Example</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

## My First CSS Example

This is a paragraph.

# CSS Selector

- Elements Selector
- Id Selector
- Class Selector



# CSS Selector(Elements)

```
<html>
<head>
<style>
p {
    font-size: 30px;
    color: red;
}
</style>
</head>
<body>

<p id="para1"> Paragraph 1 </p>
<p class="big-p"> Paragraph 2 </p>
<p class="big-p"> Paragraph 3 </p>

</body>
</html>
```

Paragraph 1

Paragraph 2

Paragraph 3

# CSS Selector(ID)

```
<html>
<head>
<style>
#para1{
    font-size: 30px;
    color: red;
}
</style>
</head>
<body>

<p id="para1"> Paragraph 1 </p>
<p class="big-p"> Paragraph 2 </p>
<p class="big-p"> Paragraph 3 </p>

</body>
</html>
```

Paragraph 1

Paragraph 2

Paragraph 3

# CSS Selector(Class)

```
<html>
<head>
<style>
.big-p{
    font-size: 30px;
    color: red;
}
</style>
</head>
<body>

<p id="para1"> Paragraph 1 </p>
<p class="big-p"> Paragraph 2 </p>
<p class="big-p"> Paragraph 3 </p>

</body>
</html>
```

Paragraph 1

Paragraph 2

Paragraph 3

# CSS Selector(Class)

```
h1 {  
  text-align: center;  
  color: red;  
}  
  
h2 {  
  text-align: center;  
  color: red;  
}  
  
p {  
  text-align: center;  
  color: red;  
}
```

```
<html>  
<head>  
  <style>  
    h1, h2, p {  
      text-align: center;  
      color: red;  
    }  
  </style>  
</head>  
<body>  
  
  <h1>Hello World!</h1>  
  <h2>Smaller heading!</h2>  
  <p>This is a paragraph.</p>  
  
  </body>  
</html>
```

**Hello World!**

**Smaller heading!**

This is a paragraph.

# How to using CSS

- External Style Sheet
- Internal Style Sheet
- Inline Style

# External Style Sheet

```
<html>
<head>
<link rel="stylesheet" type="text/css" href="mystyle.css">
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

mystyle.css

```
h1 {
  color: navy;
  margin-left: 20px;
}
```

**This is a heading**

This is a paragraph.

# Internal Style Sheet

```
<html>
<head>
<style>
body {
    background-color: lightblue;
}

h1 {
    color: white;
    text-align: center;
}

p {
    font-family: verdana;
    font-size: 20px;
}
</style>
</head>
<body>

<h1>My First CSS Example</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

## My First CSS Example

This is a paragraph.

# Inline Style

```
<html>
<body>

<h1 style="color:blue;margin-left:30px;">This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

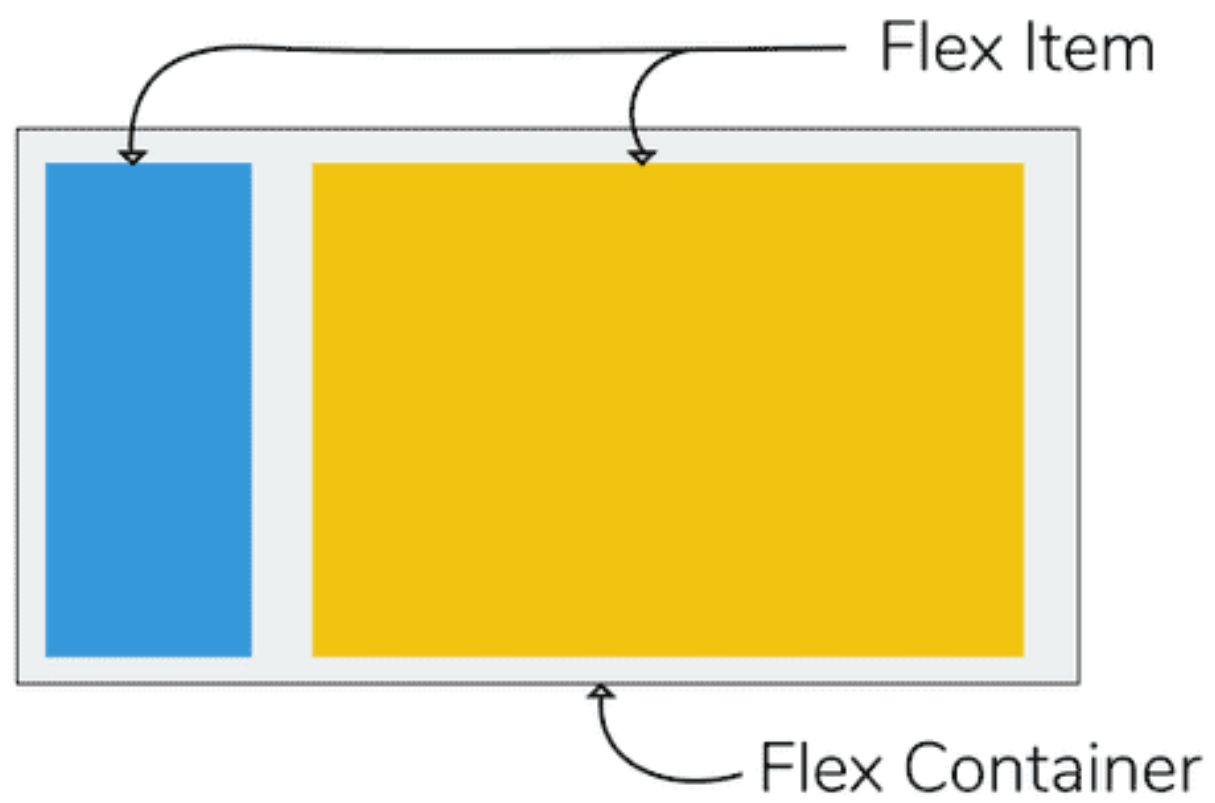
**This is a heading**

This is a paragraph.

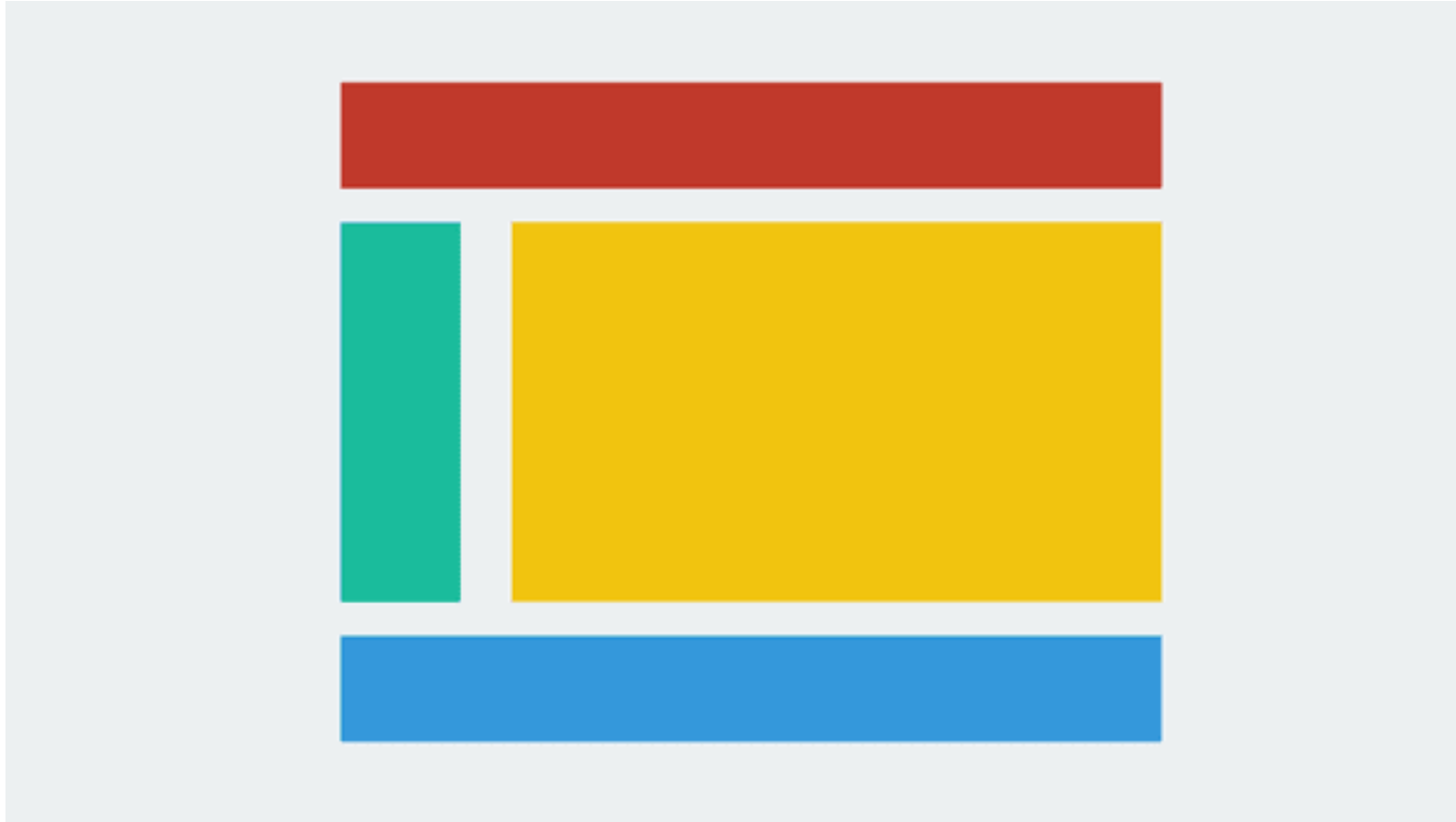




**FLEXBOX**



# Holy Grail Layout



# How to use flexbox ?

1

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

2

```
1 .flex-container{
2   display: flex;
3 }
```

```
<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
  display: flex;
  background-color: DodgerBlue;
}

.flex-container>div {
  background-color: #f1f1f1;
  margin: 10px;
  padding: 20px;
  font-size: 50px;
}
</style>
</head>
<body>

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

</body>
</html>
```

flex item 1

flex item 2

flex item 3

```
<!DOCTYPE html>
<html>
<head>
<style>

</style>
</head>
<body>

<div class="header">
  <p>Header</p>
</div>
<div class="flex-container">
  <div class="content">
    <p>Main Content</p>
  </div>
  <div class="sidebar primary">
    <p>Primary Sidebar</p>
  </div>
  <div class="sidebar secondary">
    <p>Secondary Sidebar</p>
  </div>
</div>
<div class="footer">
  <p>Footer</p>
</div>

</body>
</html>
```

Header

Main Content

Primary Sidebar

Secondary Sidebar

Footer

```

<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
  display: flex;
  background-color: DodgerBlue;
}

.header {
  display: flex;
  background-color: Red;
}

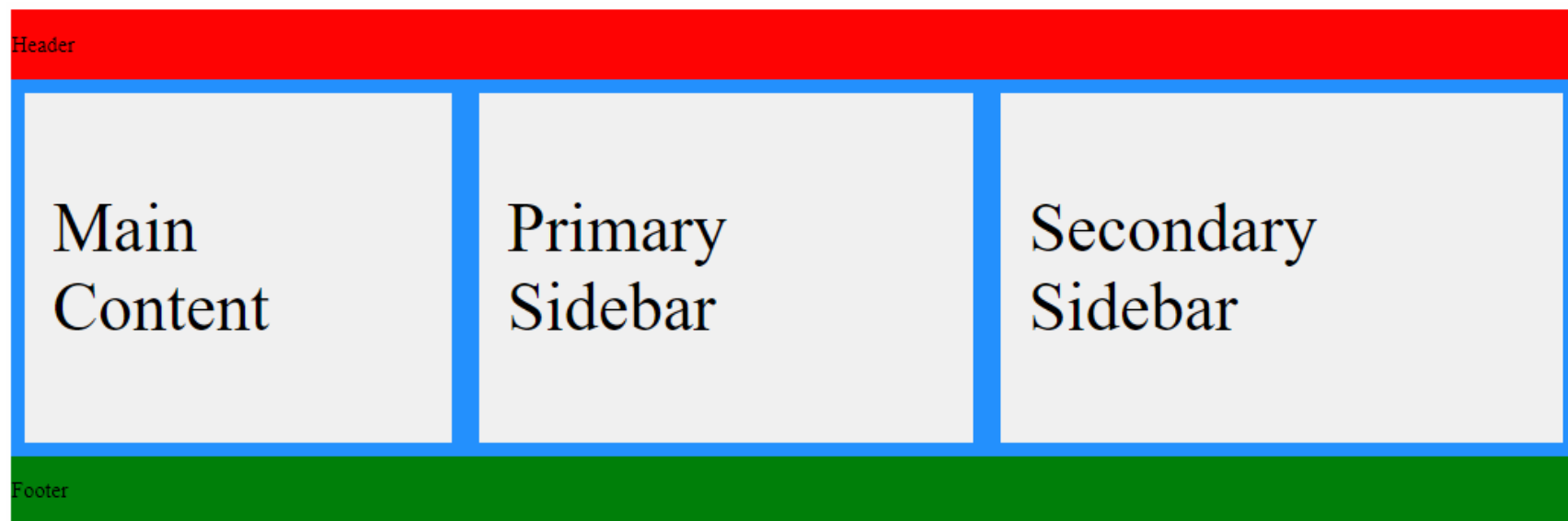
.footer {
  display: flex;
  background-color: Green;
}

.flex-container>div {
  background-color: #f1f1f1;
  margin: 10px;
  padding: 20px;
  font-size: 50px;
}
</style>
</head>
<body>

<div class="header">
  <p>Header</p>
</div>
<div class="flex-container">
  <div class="content">
    <p>Main Content</p>
  </div>
  <div class="sidebar primary">
    <p>Primary Sidebar</p>
  </div>
  <div class="sidebar secondary">
    <p>Secondary Sidebar</p>
  </div>
</div>
<div class="footer">
  <p>Footer</p>
</div>

</body>
</html>

```



# flex-direction



flex-direction: {row,column}



```

<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
  display: flex;
  background-color: DodgerBlue;
  flex-direction: column; /* คำ default จะเป็น row */
}

.header {
  display: flex;
  background-color: Red;
}

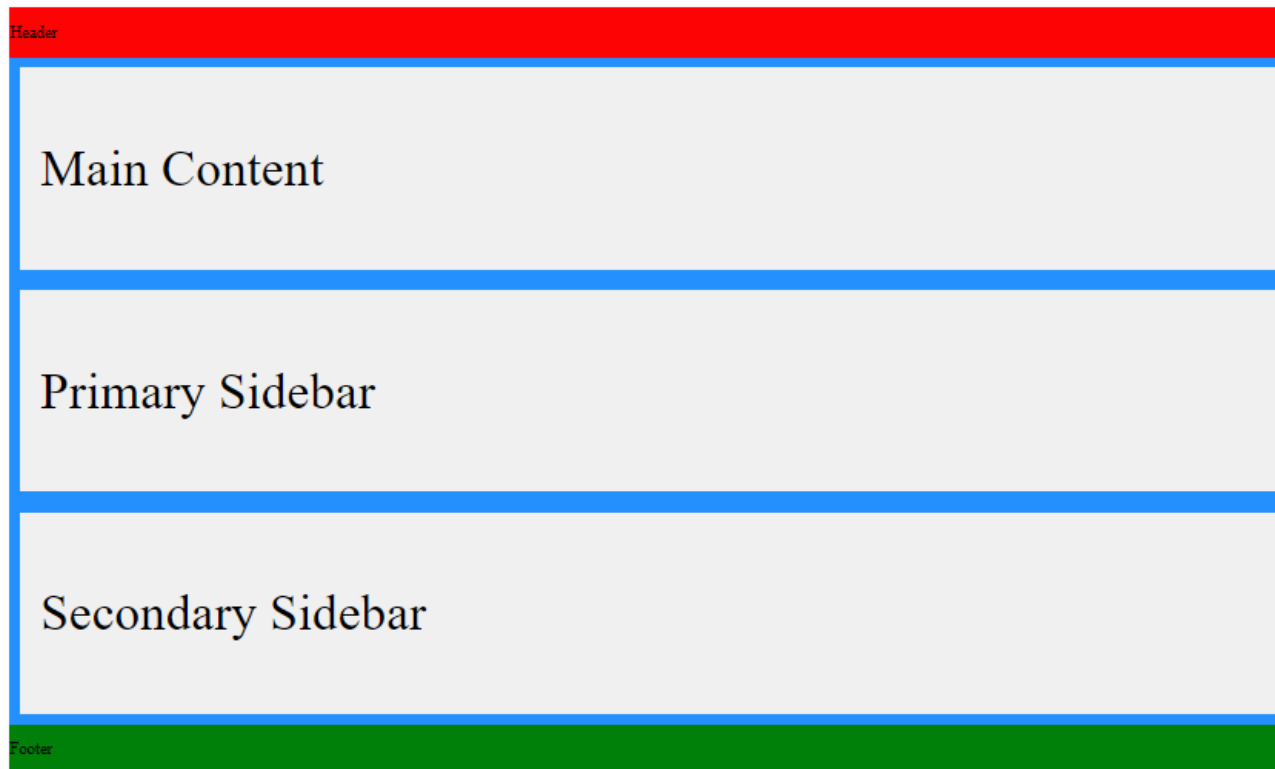
.footer {
  display: flex;
  background-color: Green;
}

.flex-container>div {
  background-color: #f1f1f1;
  margin: 10px;
  padding: 20px;
  font-size: 50px;
}
</style>
</head>
<body>

<div class="header">
  <p>Header</p>
</div>
<div class="flex-container">
  <div class="content">
    <p>Main Content</p>
  </div>
  <div class="sidebar primary">
    <p>Primary Sidebar</p>
  </div>
  <div class="sidebar secondary">
    <p>Secondary Sidebar</p>
  </div>
</div>
<div class="footer">
  <p>Footer</p>
</div>

</body>
</html>

```



row

1	2	3
---	---	---

column

1
2
3

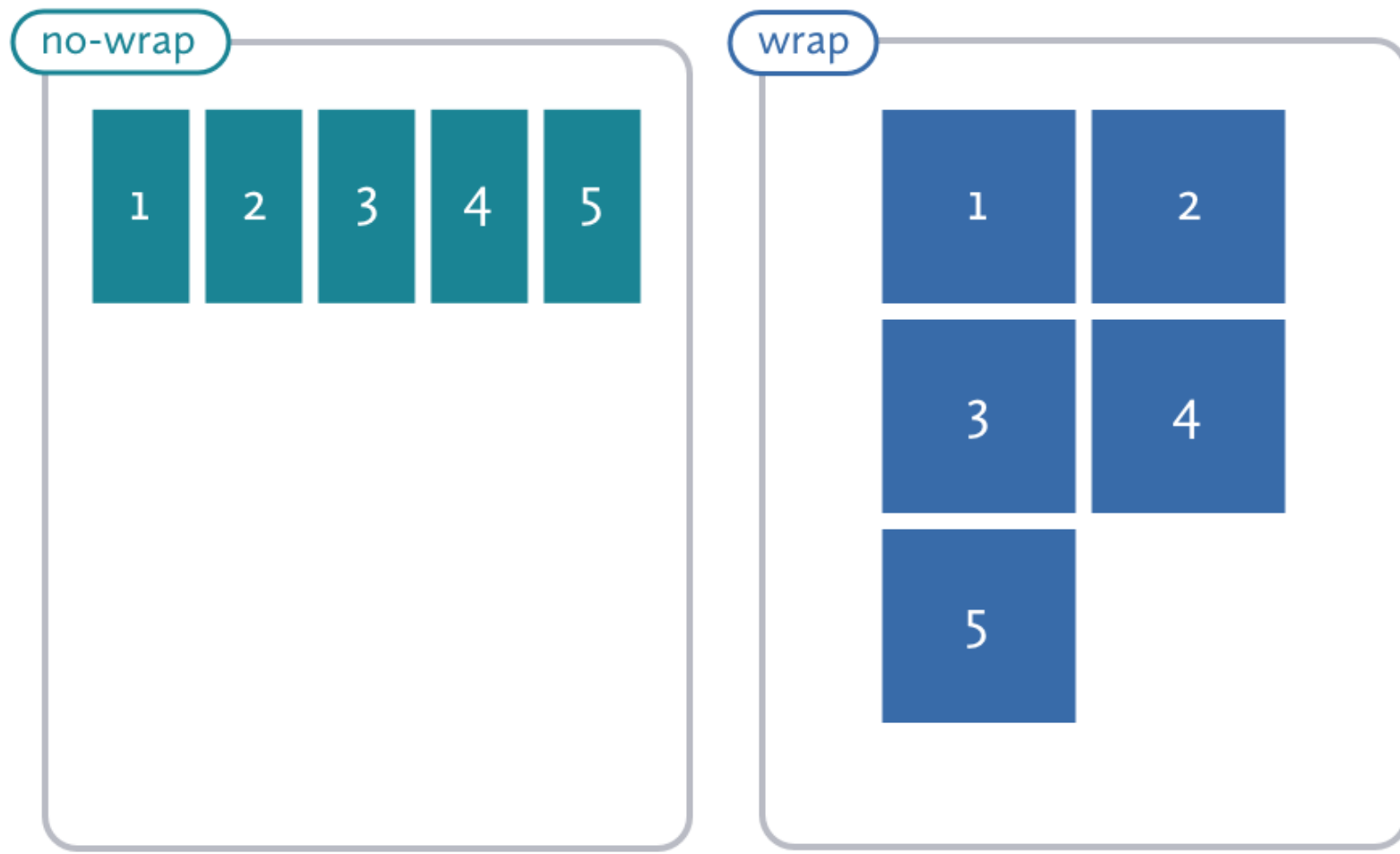
row-reverse

3	2	1
---	---	---

column-reverse

3
2
1

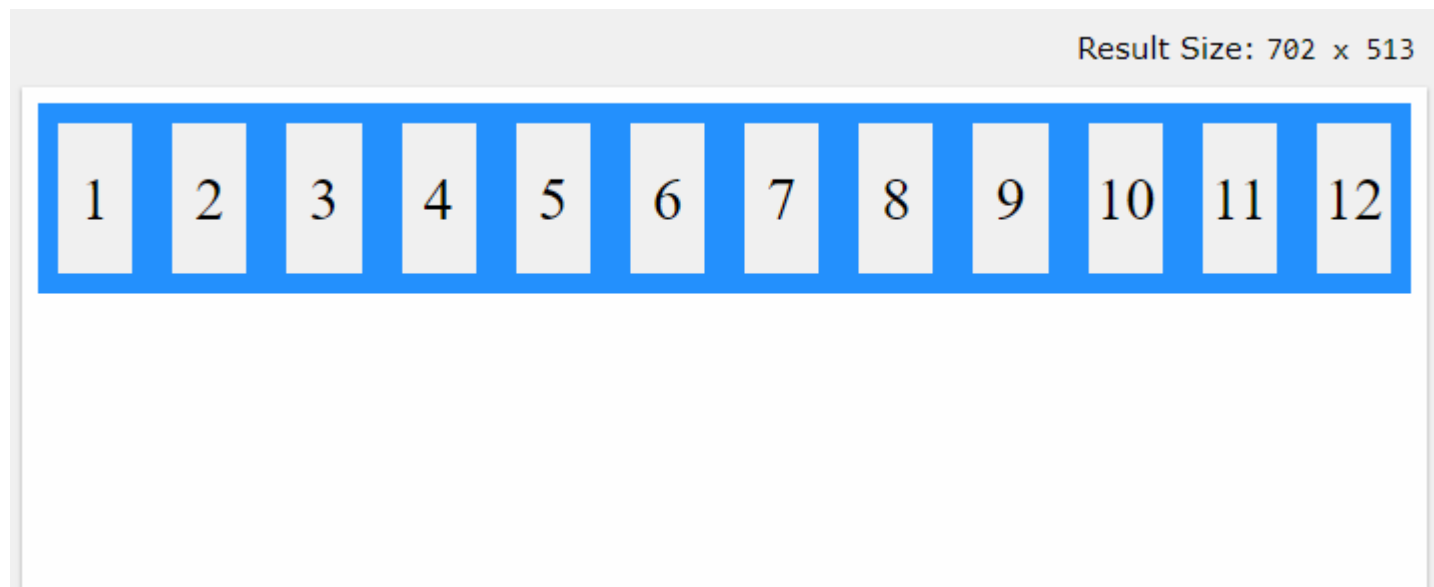
# flex-wrap



```
.flex-container {  
  display: flex;  
  background-color: DodgerBlue;  
}
```

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

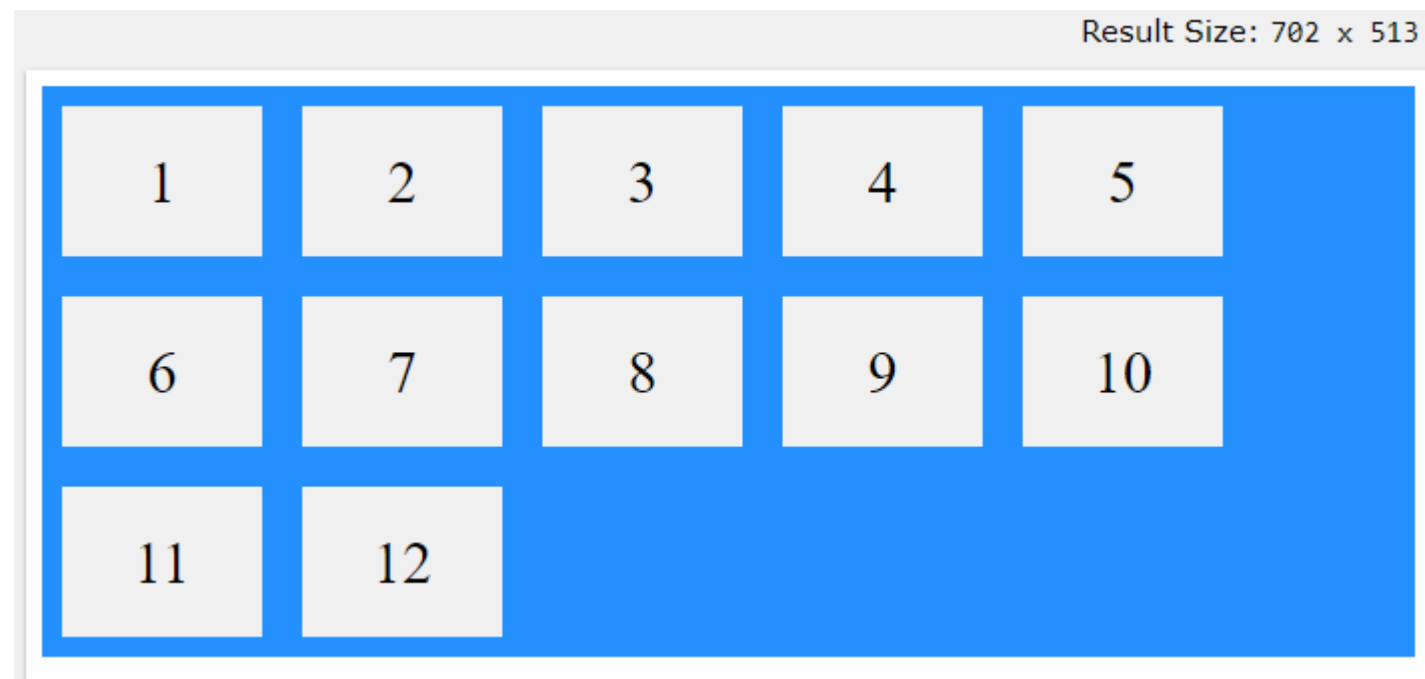
```
<div class="flex-container">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
  <div>7</div>  
  <div>8</div>  
  <div>9</div>  
  <div>10</div>  
  <div>11</div>  
  <div>12</div>  
</div>
```

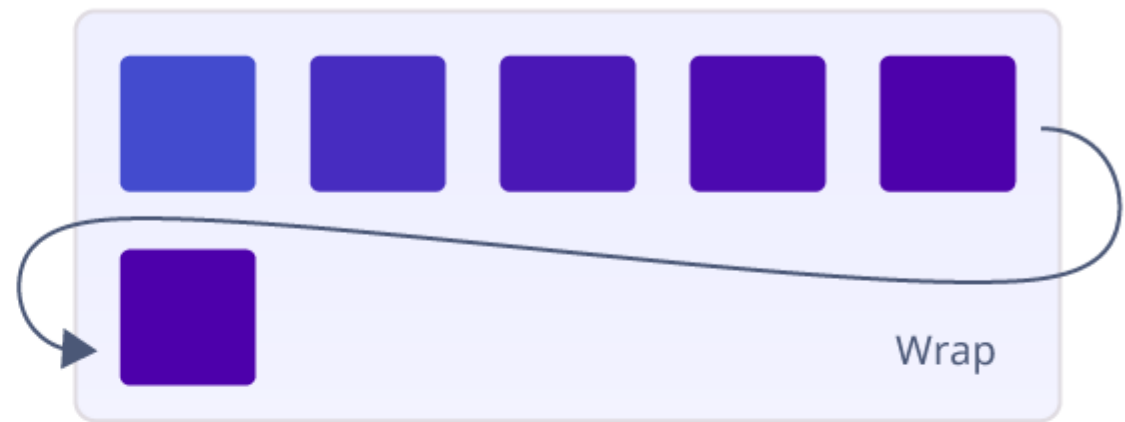


```
.flex-container {  
  display: flex;  
  background-color: DodgerBlue;  
  flex-wrap: wrap;  
}
```

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

```
<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>
```





# justify-content

*flex-start*



*flex-end*



*center*



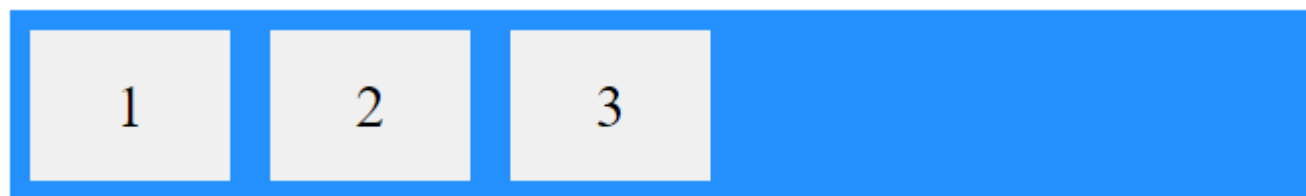
*space-between*



*space-around*



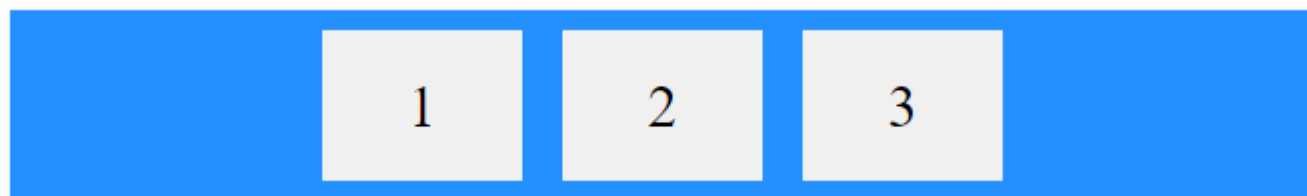
```
.flex-container {  
  display: flex;  
  justify-content: flex-start;  
  background-color: DodgerBlue;  
}
```



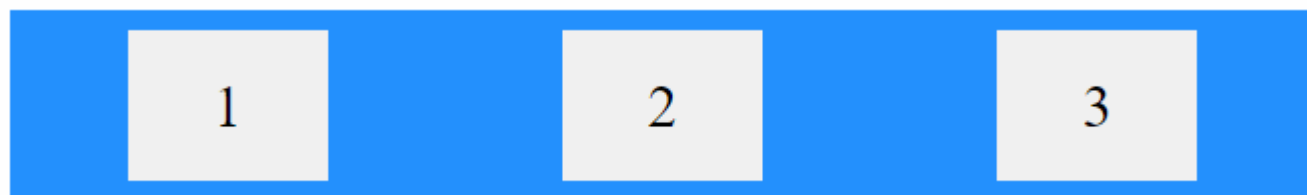
```
.flex-container {  
  display: flex;  
  justify-content: flex-end;  
  background-color: DodgerBlue;  
}
```



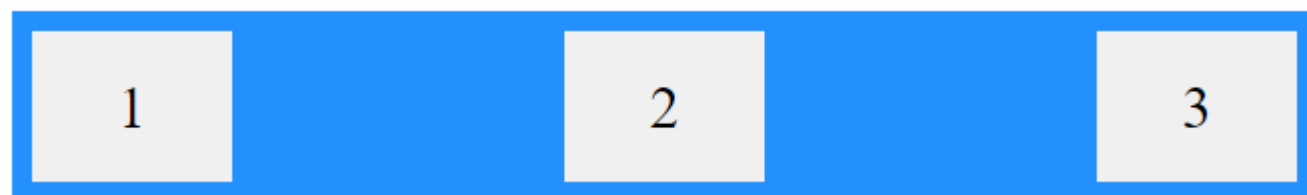
```
.flex-container {  
  display: flex;  
  justify-content: center;  
  background-color: DodgerBlue;  
}
```



```
.flex-container {  
  display: flex;  
  justify-content: space-around;  
  background-color: DodgerBlue;  
}
```



```
.flex-container {  
  display: flex;  
  justify-content: space-between;  
  background-color: DodgerBlue;  
}
```





# align-items

flex-start



flex-end



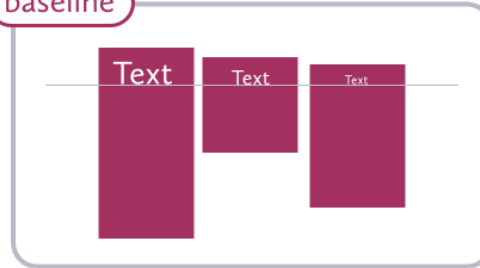
center



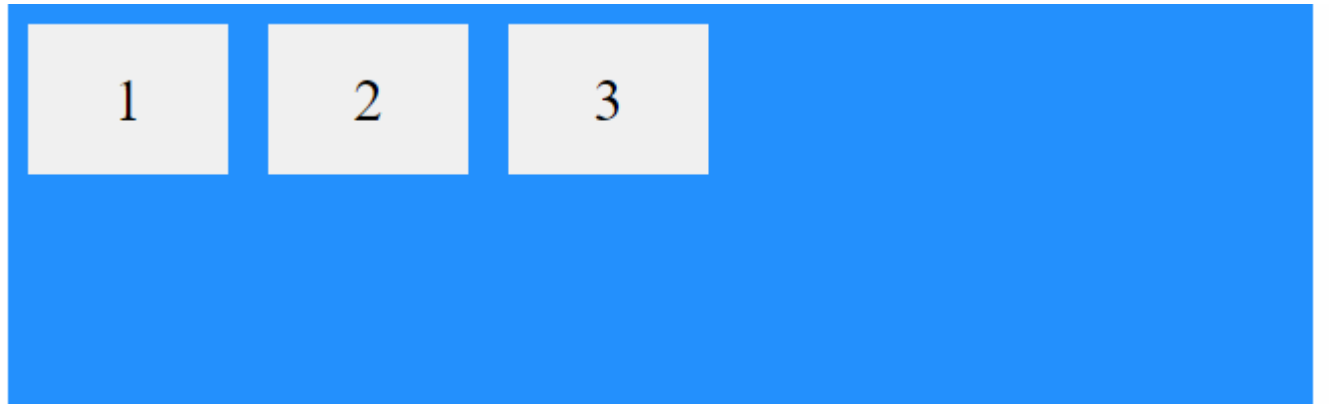
stretch



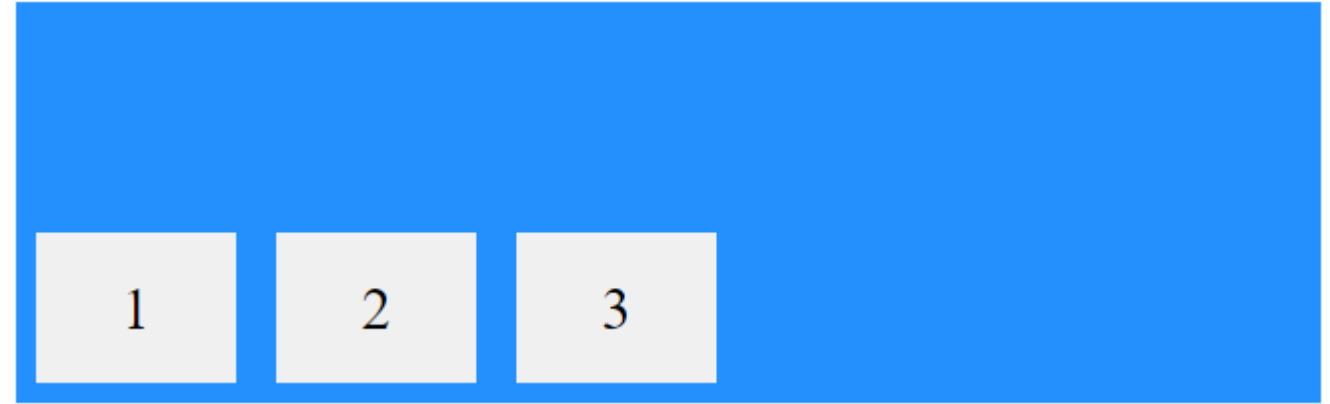
baseline



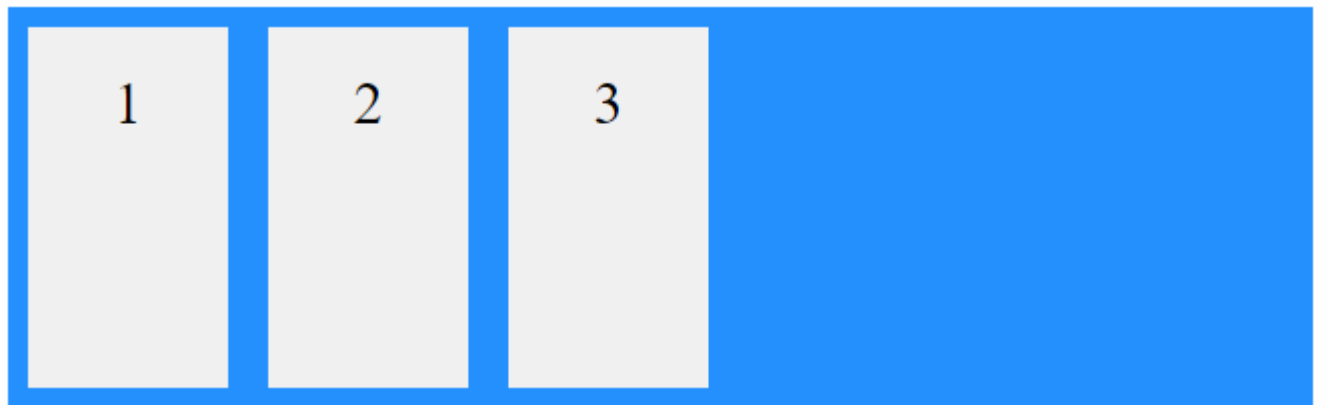
```
.flex-container {  
  display: flex;  
  height: 200px;  
  align-items: flex-start;  
  background-color: DodgerBlue;  
}
```



```
.flex-container {  
  display: flex;  
  height: 200px;  
  align-items: flex-end;  
  background-color: DodgerBlue;  
}
```



```
.flex-container {  
  display: flex;  
  height: 200px;  
  align-items: stretch;  
  background-color: DodgerBlue;  
}
```



# https://www.w3schools.com/css/css3\_flexbox.asp

The screenshot shows the W3Schools website with the URL [https://www.w3schools.com/css/css3\\_flexbox.asp](https://www.w3schools.com/css/css3_flexbox.asp) in the browser address bar. The page title is "CSS Flexible Box Layout Module". The left sidebar contains a list of CSS topics, with "CSS Flexbox" highlighted. The main content area features a navigation bar with links to HTML, CSS, JAVASCRIPT, SQL, PHP, BOOTSTRAP, HOW TO, JQUERY, and MORE. Below the navigation bar, there are "Previous" and "Next" buttons. A horizontal row of eight numbered boxes (1-8) is displayed, with the first box (1) highlighted in blue. Below the boxes is a "Try it Yourself »" button. The section "Flexbox Layout" is introduced, stating that before the Flexible Box Layout Module, there were four layout modes: Block, for sections in a webpage; and Inline, for text.

W3schools.com THE WORLD'S LARGEST WEB DEVELOPER SITE

HTML CSS JAVASCRIPT SQL PHP BOOTSTRAP HOW TO JQUERY MORE REFERENCES EXAMPLES

CSS Gradients  
CSS Shadows  
CSS Text Effects  
CSS Web Fonts  
CSS 2D Transforms  
CSS 3D Transforms  
CSS Transitions  
CSS Animations  
CSS Style Images  
CSS object-fit  
CSS Buttons  
CSS Pagination  
CSS Multiple Columns  
CSS User Interface  
CSS Variables  
CSS Box Sizing  
**CSS Flexbox**  
CSS Media Queries  
CSS MQ Examples

## CSS Flexible Box Layout Module

< Previous

Next >

1 2 3 4 5 6 7 8

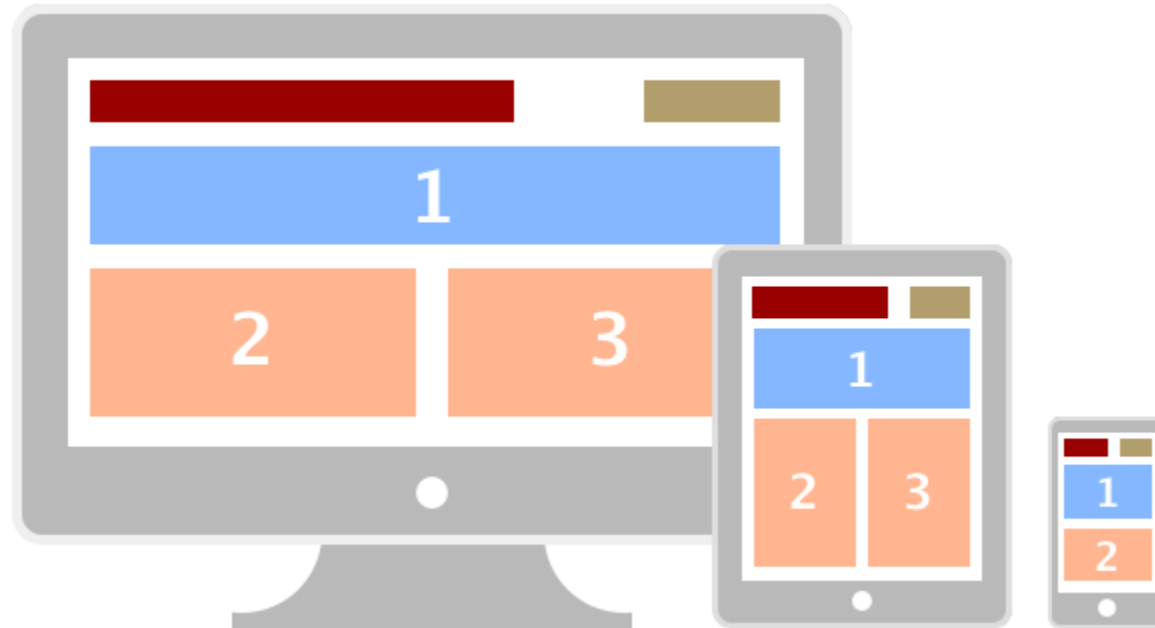
Try it Yourself »

### Flexbox Layout

Before the Flexible Box Layout Module, there were four layout modes:

- Block, for sections in a webpage.
- Inline, for text.

# Responsive Design



# Media Queries

## Code Lab

# Homework

1. สร้าง Resume ที่ส่งมาใน Week1 ด้วย HTML , CSS(Flexbox , MediaQueries)  
โดยตั้งชื่อ File เป็น RESUME-58050001(รหัส นศ ของตัวเอง) จากนั้น  
Push Code ไปไว้ที่ Week 02 - [20-01-2018]/... ใน Repository เกี่ยวกับการบ้าน Week1
2. ทำการ New Repository ไว้ที่ Github ของตัวเอง แล้วนำ File Resume ชื่อ1 Push ขึ้นไป  
บนนั้น จากนั้นทำการ **Deploy ด้วย Github Pages**

กำหนดส่ง : **อยากส่งเมื่อไหร่ก็ส่ง**