

Nation

Code

CSS flexbox

Intro

{codenation}[®]

Learning Objectives

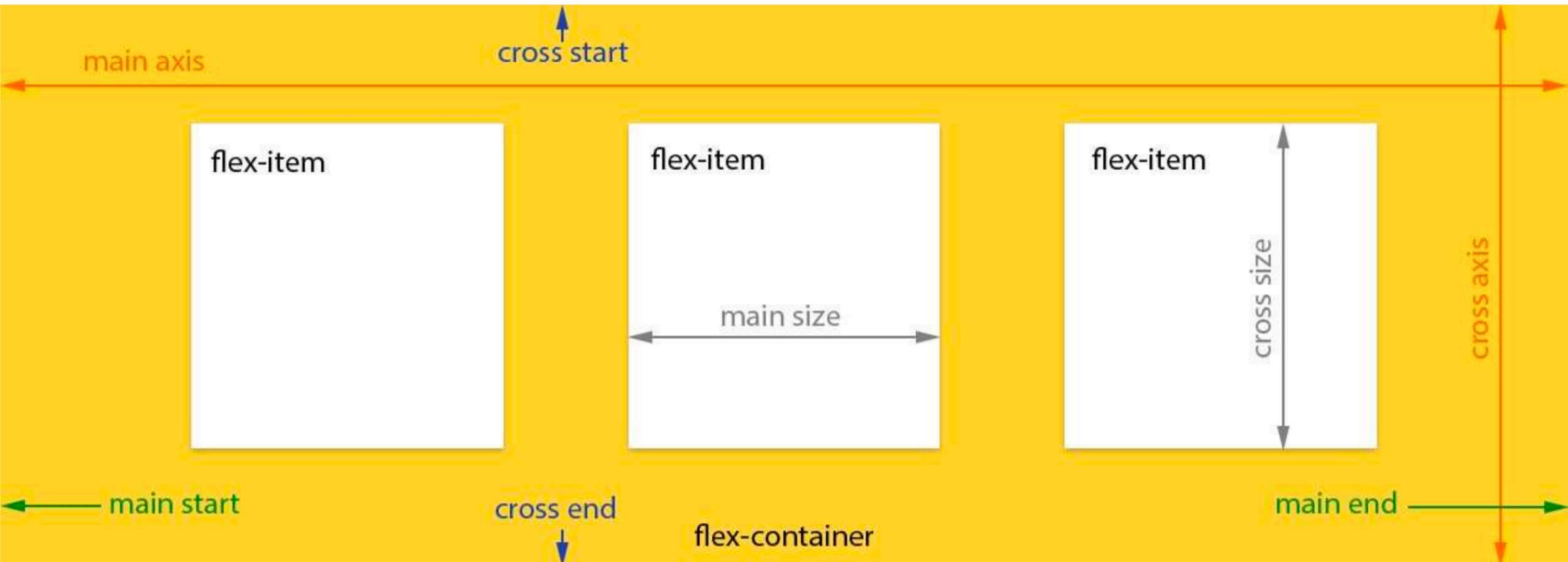
- **To understand what flexbox is and what it's used for**
- **To understand basic flexbox syntax and apply them to your webpage**



CSS flexbox

Flexbox layout

New in CSS3 to improve items alignment, directions and order in the container, dynamic or unknown size.





Flex direction

Flex-direction

```
.container {  
    display: flex;  
    min-height: 100vh;  
    flex-direction: row;  
}
```

This defines a flex container.

Flex-direction

```
.container {  
    display: flex;  
    min-height: 100vh;  
    flex-direction: row;  
}
```

This defines the minimum height of each div

Flex-direction

```
.container {  
    display: flex;  
    min-height: 100vh;  
    flex-direction: row;  
}
```

This defines the flex direction,
row is set as default.

Flex-direction

```
.container {  
    display: flex;  
    min-height: 100vh;  
    flex-direction: row;  
}
```

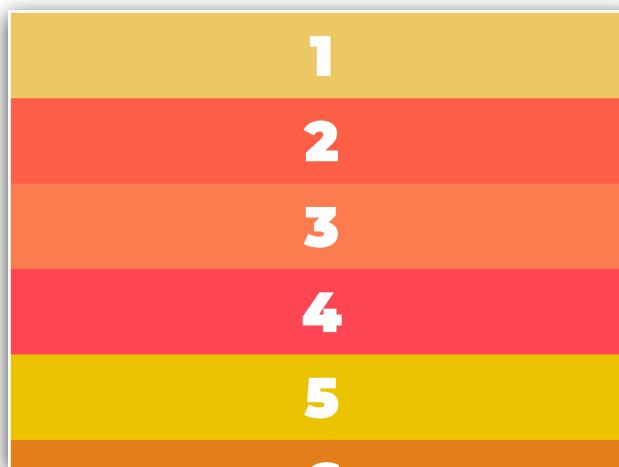


This defines the flex direction,
row is set as default.

Flex-direction



flex-direction: row;

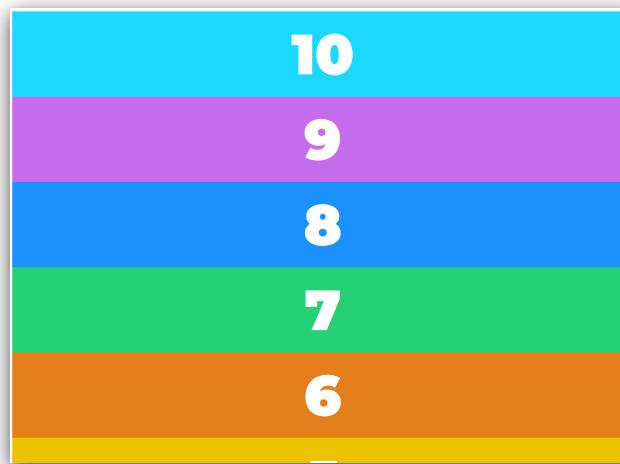


flex-direction: column;

Flex-direction



`flex-direction: row-reverse;`



`flex-direction: column-reverse;`

Setting the width

```
.box {  
    color:white;  
    font-size: 100px;  
    font-family: 'Montserrat Alternates', sans-serif;  
    text-align: center;  
    padding:15px;  
    width: 400px;  
}
```



Currently the width is set to 400 px

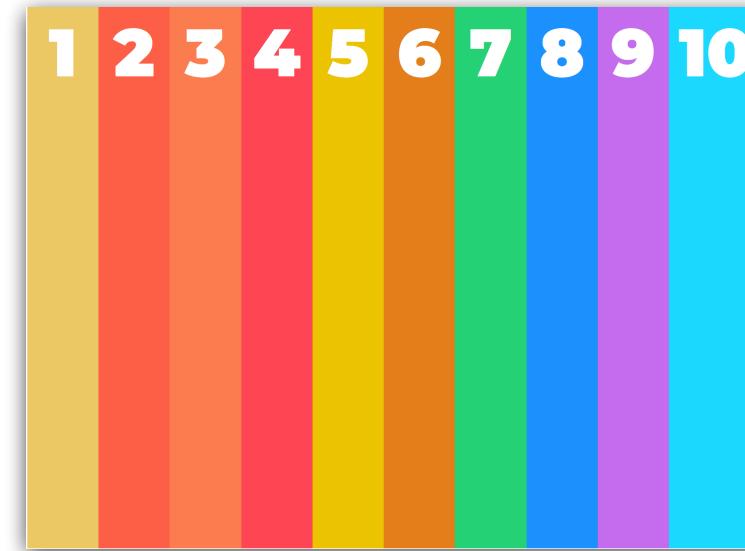


Wrapping

Setting the width



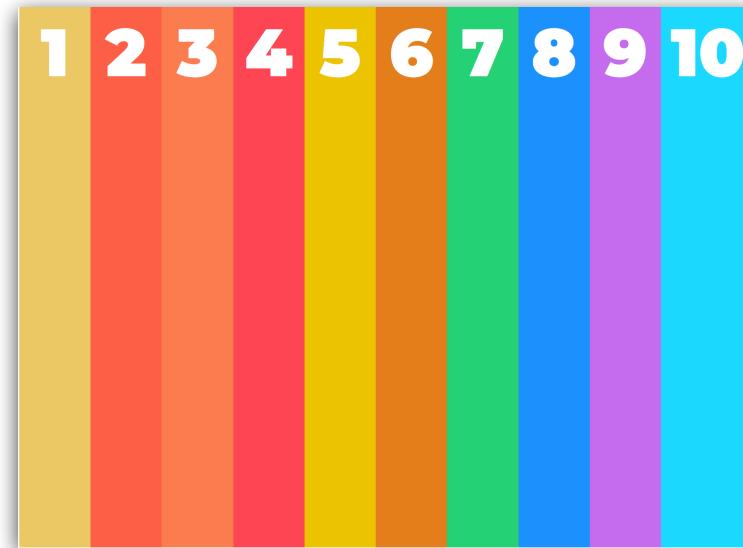
Width not set



Width set to 400px

Flex-wrap

```
.container {  
    display: flex;  
    min-height: 100vh;  
    flex-wrap: nowrap;  
}
```



This defines the flex wrap, no wrap is default

Flex-wrap

| | |
|---|----|
| 1 | 2 |
| 3 | 4 |
| 5 | 6 |
| 7 | 8 |
| 9 | 10 |

`flex-wrap: wrap;`

| | |
|---|----|
| 9 | 10 |
| 7 | 8 |
| 5 | 6 |
| 3 | 4 |
| 1 | 2 |

`flex-wrap: wrap-reverse;`

Setting the width

```
.box {  
    color:white;  
    font-size: 100px;  
    font-family: 'Montserrat Alternates', sans-serif;  
    text-align: center;  
    padding:15px;  
    width: 33.3333%;  
}
```

| | | |
|----|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |
| 10 | | |

Change to 33.3333% so it will even out the space



Flex property

Setting flex property

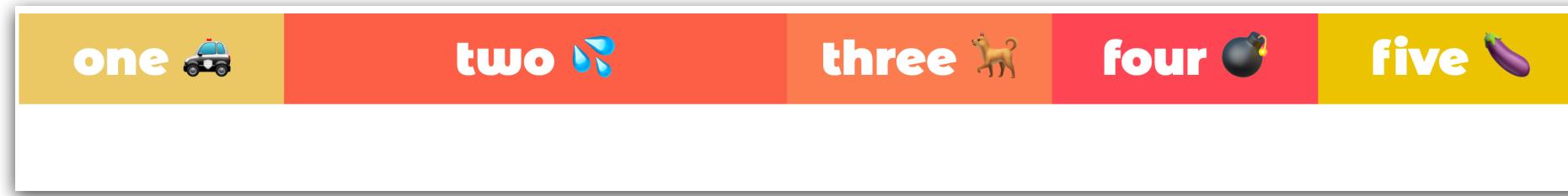
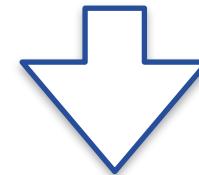
```
.box {  
    color:white;  
    font-size: 50px;  
    font-family: 'Montserrat Alternates', sans-serif;  
    text-align: center;  
    padding:15px;  
    flex: 1; }  
    1 is default
```

Setting flex property

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

Already set flex in container

Setting flex property



```
.box2 {  
  flex: 2;  
}
```

Gives priority to box 2.

Learning Objectives

- **To understand what flexbox is and what it's used for**
- **To understand basic flexbox syntax and apply them to your webpage**

Activity

Create a div to include a navigation bar. Apply flexbox syntax to the navigation bar.



More info:

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>



Practice!

<https://flexboxfroggy.com/>

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