

Nation

Code

CSS flexbox

Intro

{codenation}[®]

Learning Objectives

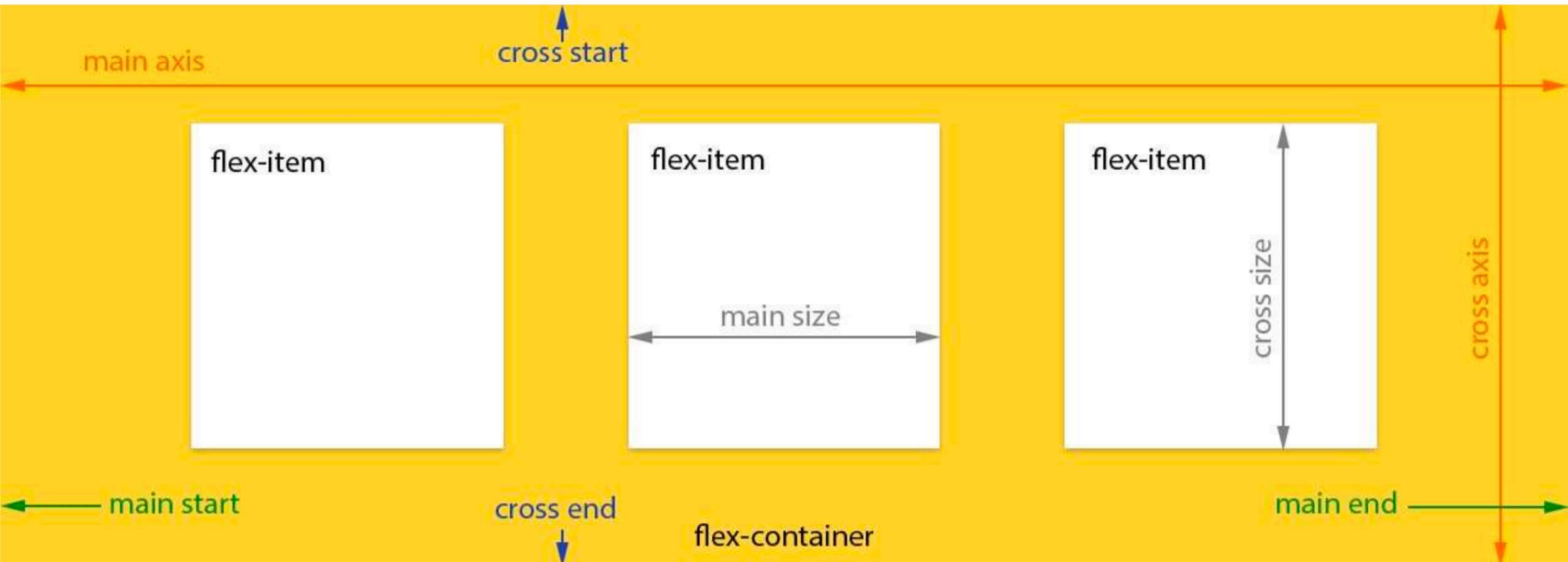
- To understand what flexbox is and what it's used for
- To understand basic flexbox syntax and apply them to your webpage



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;  
}
```

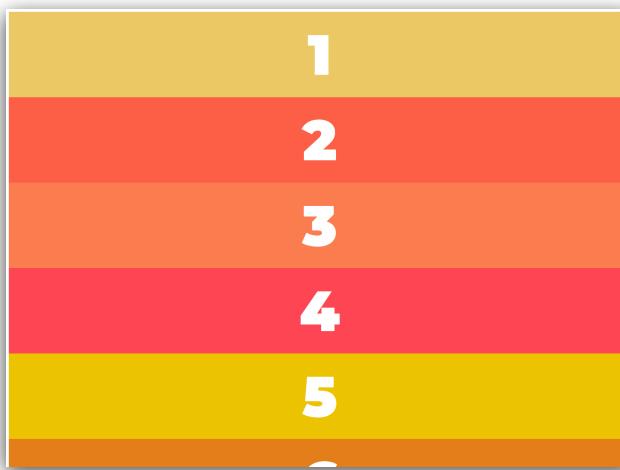


This defines the flex direction,
row is set as default.

Flex-direction

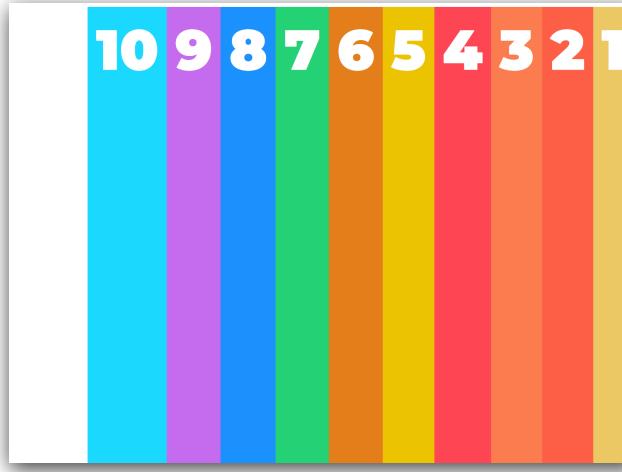


`flex-direction: row;`



`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

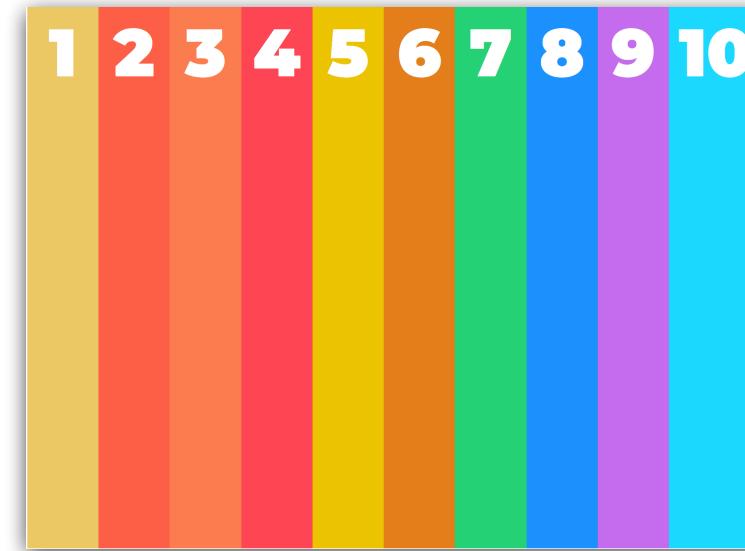


Wrapping

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



Justify content

justify-content:

```
.container{  
  display: flex;  
  justify-content: property; }
```

Different options of aligning items in your container

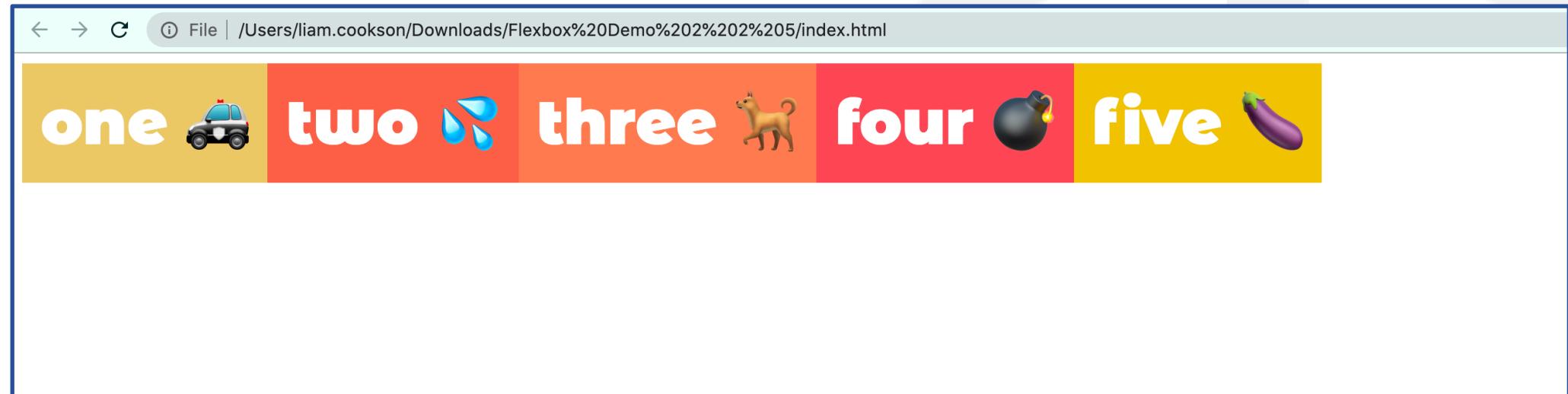


- justify-content: center;
- justify-content: flex-start;
- justify-content: flex-end;
- justify-content: space-between;
- justify-content: space-around;
- justify-content: space-evenly;

Default

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

flex-direction: row; is the default property of flexbox, so the items are arranged in a row



flex-start;

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

justify-content:
flex-start; is the
default value for justify-
content



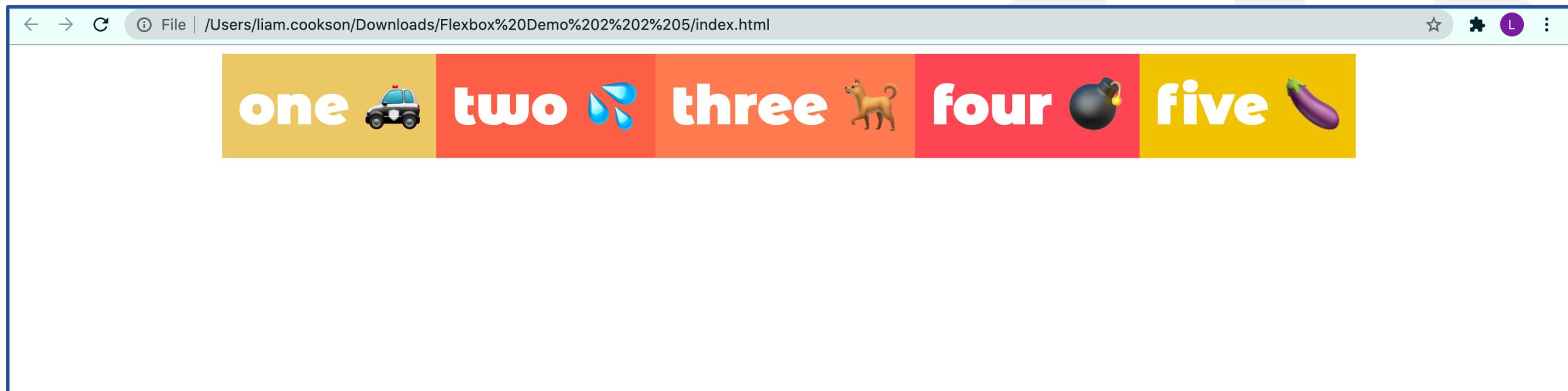
flex-end;

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



center;

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



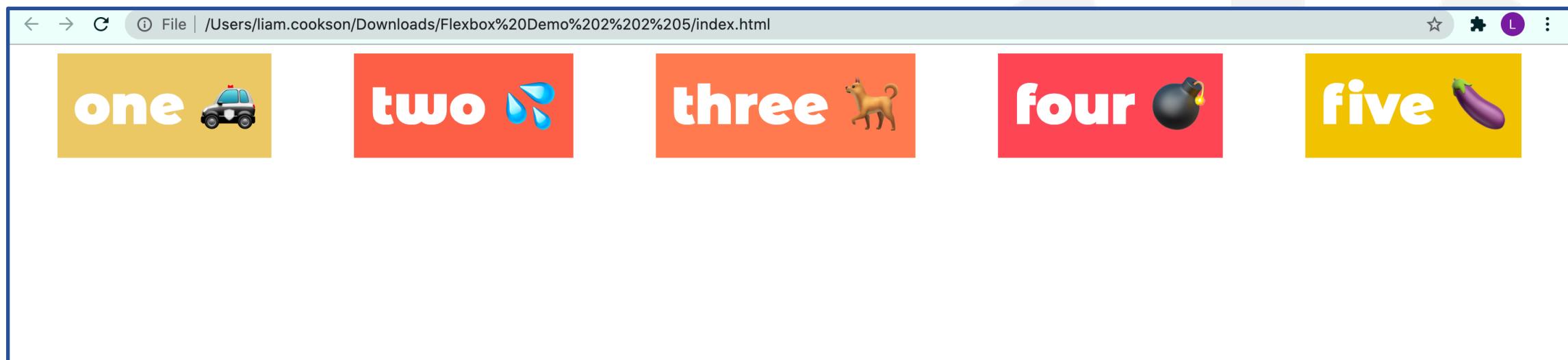
space-between;

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



space-around;

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



space-evenly;

```
.container{  
    display: flex;  
    justify-content: space-evenly;  
}
```



justify-content

flex-start



flex-end



center



space-between



space-around



space-evenly



Plus many more aligning options in flexbox, including more properties of **justify-content** and much more.

This is just an introduction

Research more into flexbox if needed.

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



Flex property

Setting flex property

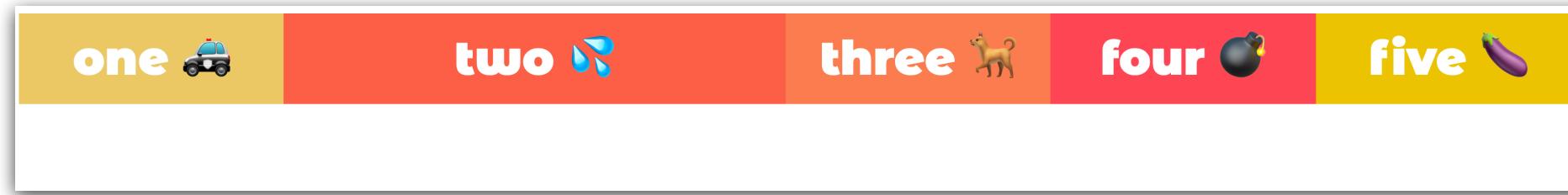
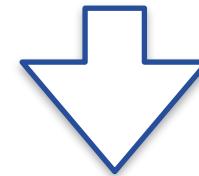
```
.box {  
    color:white;  
    font-size: 50px;  
    font-family: 'Montserrat Alternates', sans-serif;  
    text-align: center;  
    padding:15px;  
    flex: 1; }  
1 is default
```

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/menu. Apply flexbox syntax to the nav bar.

Add containers to your webpages as you see fit to change the way items are displayed - good for sections of images, displaying paragraphs/text nicely, lining up different elements etc...



Practice!

<https://flexboxfroggy.com/>

weare denation.com