


# CSS FLEXBOX

Intro

# LEARNING OBJECTIVES

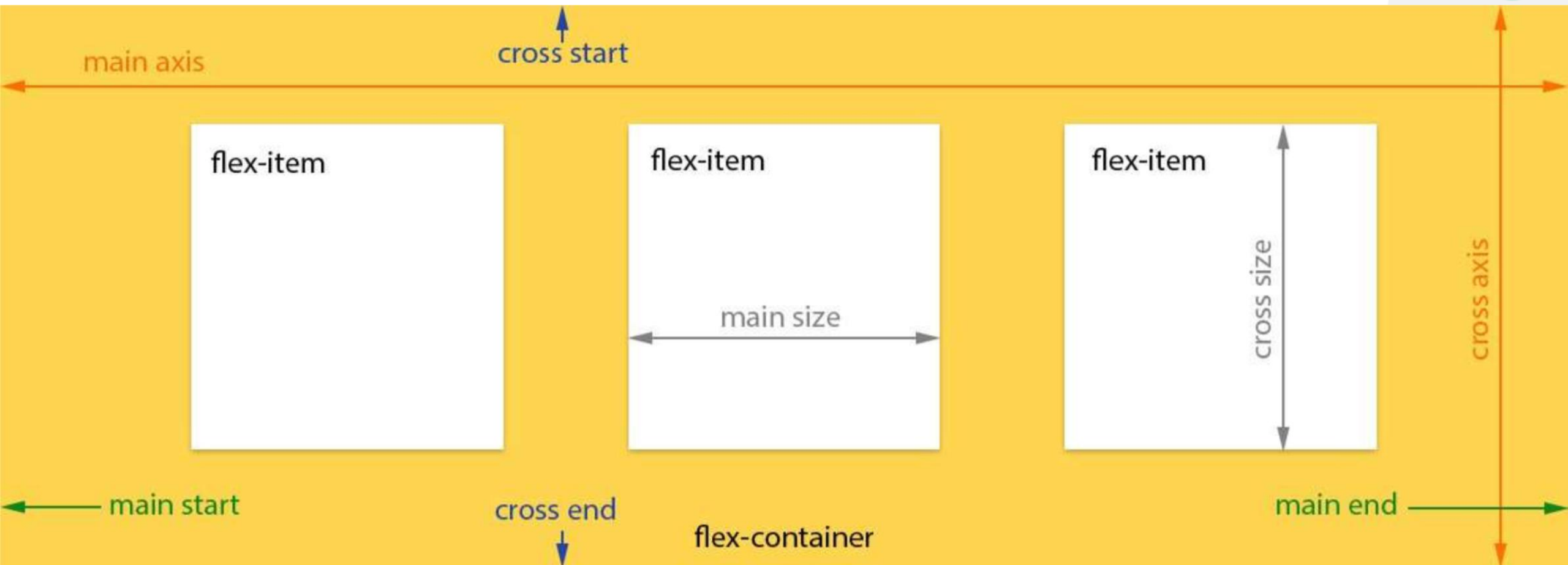
- To understand what flexbox is and what it's used for
  - To understand basic flexbox syntax and apply them to your webpage
- 
- A large, solid orange shape occupies the bottom half of the slide. It has a jagged, mountain-like silhouette with several peaks and valleys, creating a modern, abstract background element.

# 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.

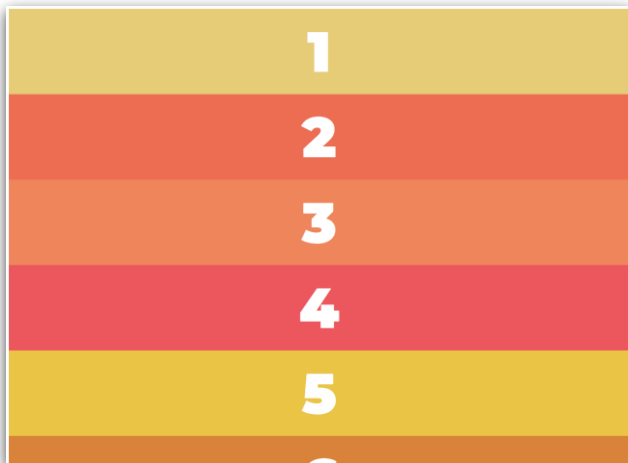
# Flex-direction

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



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

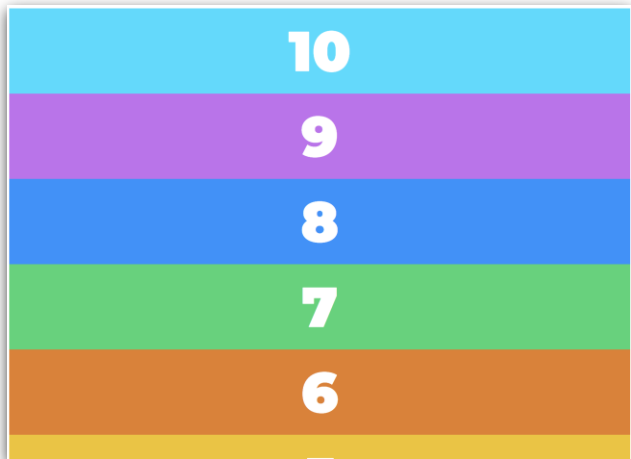
# Flex-direction



`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	

9	10	
7	8	
5	6	
3	4	
1	2	

`flex-wrap: wrap;`

`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**



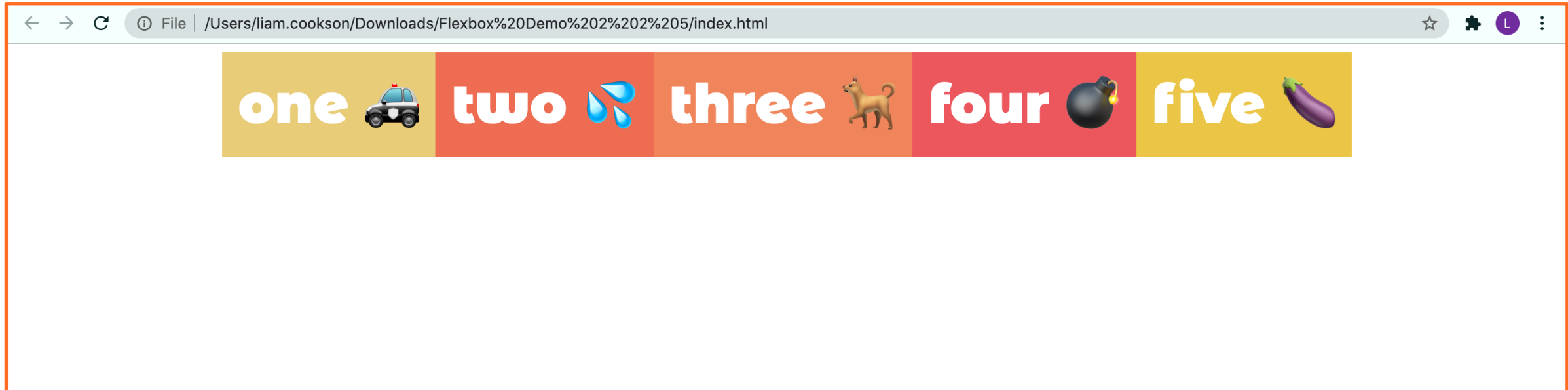
# flex-end;

```
.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

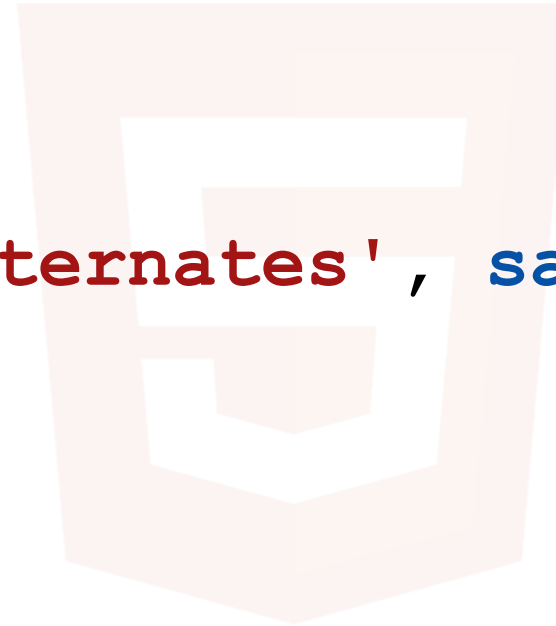


# Setting flex property

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



1 is default

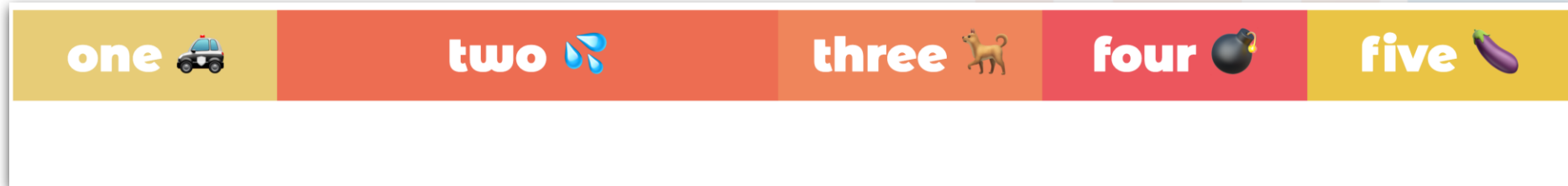
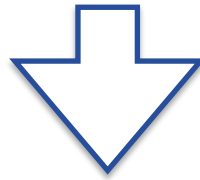


# Setting flex property

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

Already set flex in container

# Setting flex property




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

Gives priority to box 2.



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# 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/>

