# Cubstart Web
# Mini-Lecture 4: CSS

# Quick Review!

# CSS = Cascading Style Sheets

- **Purpose:** Determines the style and presentation of your website
- **Includes:** font, colors, size, spacing, etc

# Linking to a Stylesheet:

```
<!DOCTYPE html>
<html>
    <head>
        <title>NAME OF WEBSITE</title>
        <link rel="shortcut icon" type="img/png" href="favicon.png">
        <link rel="stylesheet" href="./style.css">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body>
        <h1> This is a header. </h1>
    </body>
</html>
```

# CSS Selectors, Properties, and Values

- **Selector's Purpose:** used to "select" the HTML elements you want to style
- **You can select by:** tag, class, ID, pseudo class, etc

# Conflicting Rules

HTML file:

```
<p id="special">
    This is a paragraph!
</p>
```

CSS file:

```
#special {
    color: blue;
}

p {
    color: gray;
}
```

An element may have conflicting style rules! How does the browser determine what rule to apply?

1. **Specificity**
2. **Source order**

* The specifics are a lot more complicated, but this the gist

# Review Question

```
p {
  color: red;
  font-size: 20px;
  text-align: center;
}
```

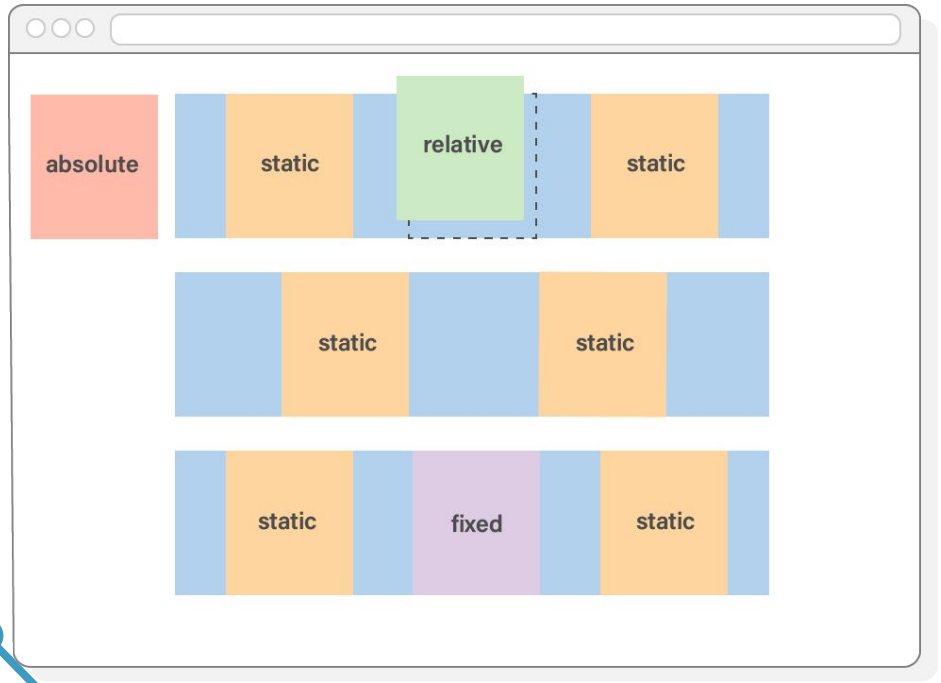
Describe what this declaration “says”.

What is the selector?

What are the properties?

# Positioning

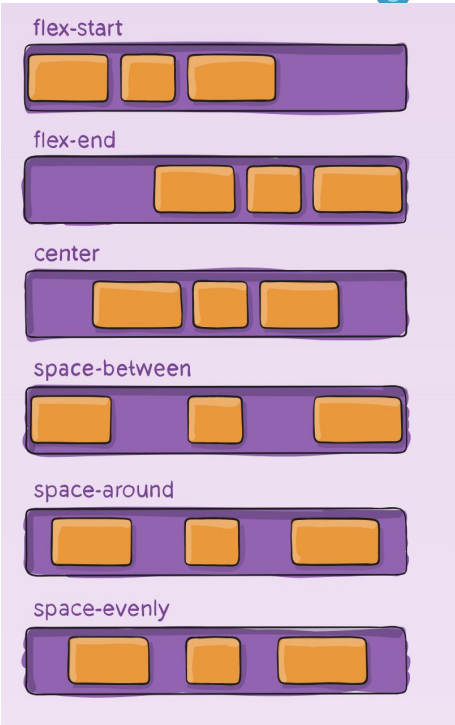
# Positioning




- **`static`**: default original position
- **`relative`**: relative to initial position
- **`absolute`:** relative to nearest positioned ancestor
- **`fixed`:** relative to “viewport” (window)

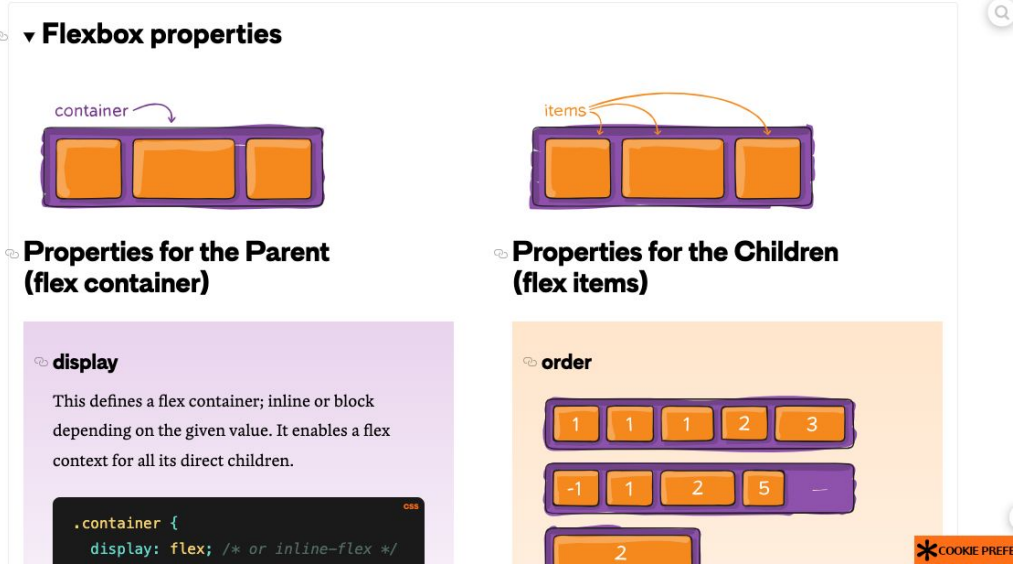
# Flexbox

- CSS Property `display: flex;`
  - Defines a flex container
  - Enables a flex context for all its direct children
  - By default, flex items are laid out in the source order
- `flex-direction: column;`
  - Default direction is a row (left to right)
- `justify-content: *;`
  - See the picture!
- For more: https://flexboxfroggy.com/



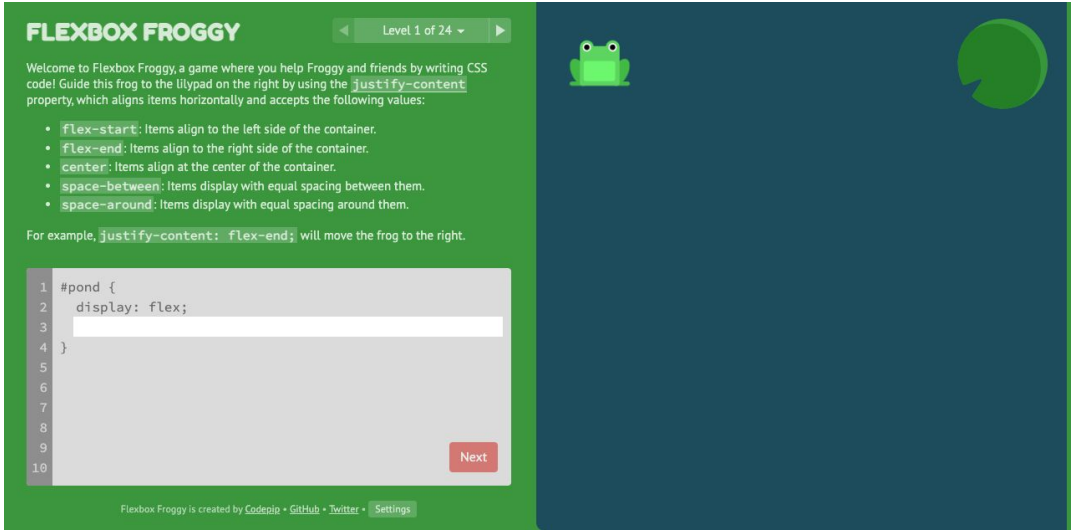
# Let’s code!

# Awesome Flexbox Reference




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

# Learn Flexbox w/ a Game




https://flexboxfroggy.com/

# Exercise:

Choose Your Superhero

# Choose Your Favorite Character

The Flash

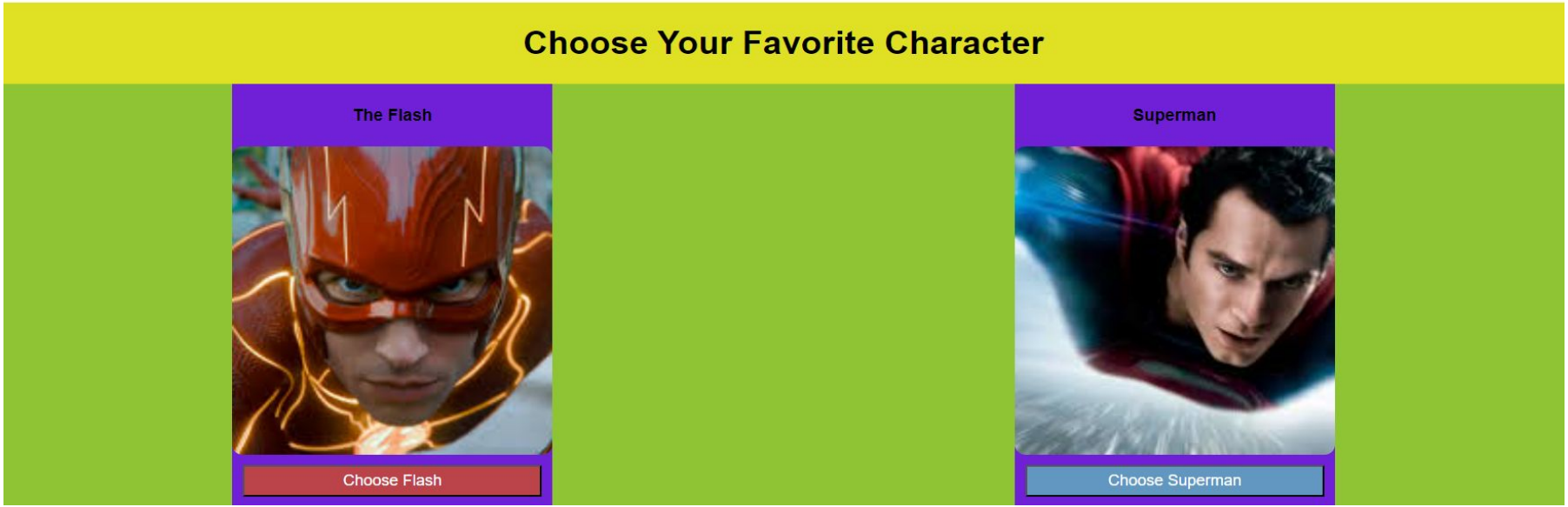
Choose Flash

Superman

Choose Superman

# Identify the Layout:

Identify potential **div** elements that will help you to **separate** & **position** the content
Also look for **margin** & **padding** properties



# CSS Text-Align Properties

The `text-align` property specifies the horizontal alignment of text relatively to its parent element

```
text-align: left;
```

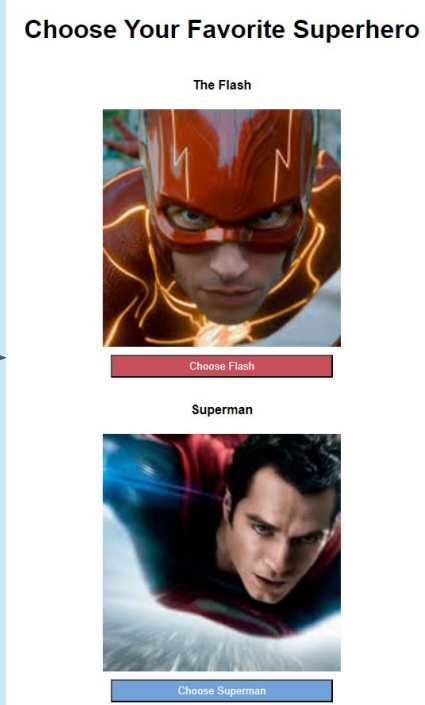
```
text-align: center;
```

```
text-align: right;
```

# Flex-Wrap Property

Maximises the responsiveness of your web page by adjusting the position of the content for smaller screens

**flex-wrap: *wrap***; or **flex-wrap: *wrap-reverse***;



# Secret word: flexy

https://forms.gle/VZZYR7R9nCQySgAP9