



HTML && CSS Workshop





Let's meet!

My name is Maria



I studied Economics at the University and quit in the first year



I received bachelor degree in Business Informatic and worked almost a year as data analyst



After several online/offline courses and self-education I have found my dream role - frontend developer



For more than 6 years I'm creating web applications using HTML, CSS, Java Script as well as Typescript/React and Dart/Angular





Plan for today

- Intro to web development
- Let's start with skeleton. HTML
- Make it stylish with CSS
- Practice time



WEB APPLICATION ARCHITECTURE

USERS

Collect Data

Display Results

FRONTEND

What the User Sees
& Interacts with
HTML, CSS, JavaScript

BACK-END

WEB SERVER

Contains App Logic
PHP, JavaScript, Python, Java

FILE SYSTEM

HTML, CSS, IMAGES

DATABASE

MYSQL, PostgreSQL, MariaDB

Request

Response

slido



What does HTML abbreviation mean?

① Start presenting to display the poll results on this slide.

HTML

HYPER

TEXT

MARKUP

LANGUAGE

```
<!DOCTYPE html>
<html>

<head>
  <title>Page Title</title>
</head>

<body>
  <h2>Heading Content</h2>
  <p>Paragraph Content</p>
</body>

</html>
```




<header></header>

Finding a pet Dog products Cat products Care & Advice Where to buy Meet Purina Our Impact News

<nav></nav>

<article>

<h1> British Shorthair </h1>

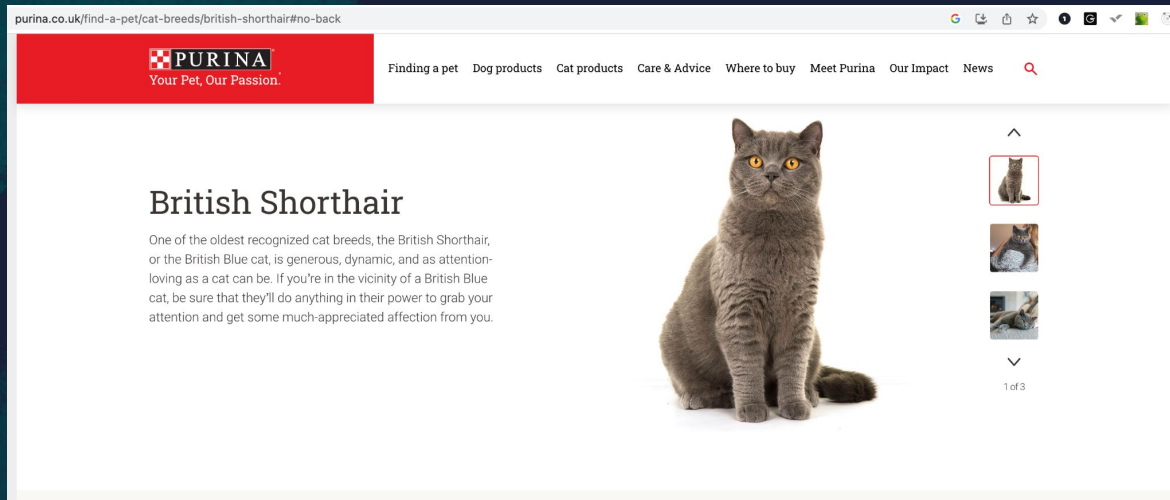
<p> One of the oldest recognized cat breeds, the British Shorthair, or the British Blue cat, is generous, dynamic, and as attention-loving as a cat can be. If you're in the vicinity of a British Blue cat, be sure that they'll do anything in their power to grab your attention and get some much-appreciated affection from you. </p>

</article>





1 of 3



```
<header>
```

```
  <img/>
```

```
  <nav>
```

```
    <ul>
```

```
      <li>Finding a pet</li>
```

```
      <li>Dog products</li>
```

```
      <li>Care & Advice</li>
```

```
      <li>Where to buy</li>
```

```
    </ul>
```

```
  </nav>
```

```
</header>
```

```
<div>
```

```
  <h1>British Shorthair</h1>
```

```
  <p>One of the oldest recognized cat  
  breeds, the British Shorthair, or the British  
  Blue cat, is generous, dynamic, and as  
  attention-loving as a cat can be.
```

```
  </p>
```

```
</div>
```

```
<div>
```

```
  
```

```
</div>
```

HTML tags

- **Headings**
 - `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, `<h6>`
- **Paragraph**
 - `<p>Text</p>`
- **Block element**
 - `<div>Some content</div>`
- **Inline element**
 - `Any content`



HTML tags

- **Image**

- ``

- **Link**

- `FACEBOOK`

- **List**

Unordered

``

`Coffee`

`Tea`

``

Ordered

``

`Cats`

`Dogs`

``



HTML tags

- **Semantic elements**

- `<nav></nav>`
- `<header></header>`
- `<footer></footer>`
- `<article></article>`

- **Audio**

- `<audio src="music.mp3" />`

- **Video**

- `<video src="movie.mp4" />`



All HTML tags

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

Content sectioning

Content sectioning elements allow you to organize the document content into logical pieces.

Use the sectioning elements to create a broad outline for your page content, including header and footer navigation, and heading elements to identify sections of content.

Element	Description
<code><address></code>	The HTML <code><address></code> element indicates that the enclosed HTML provides contact information for a person or people, or for an organization.
<code><article></code>	The HTML <code><article></code> element represents a self-contained composition in a document, page, application, or site, which is intended to be independently distributable or reusable (e.g., in syndication). Examples include: a forum post, a magazine or newspaper article, or a blog entry.
<code><aside></code>	The HTML <code><aside></code> element represents a portion of a document whose content is only indirectly related to the document's main content.
<code><footer></code>	The HTML <code><footer></code> element represents a footer for its nearest sectioning content or sectioning root element. A footer typically contains information about the author of the section, copyright data or links to related documents.
<code><header></code>	The HTML <code><header></code> element represents introductory content, typically a group of introductory or navigational aids. It may contain some heading elements but also other elements like a logo, a search form, an author name, and so on.



▶

**Let's add
some style!**

•

slido



What does CSS abbreviation mean?

① Start presenting to display the poll results on this slide.

CSS

CASCADING

STYLE

SHEETS

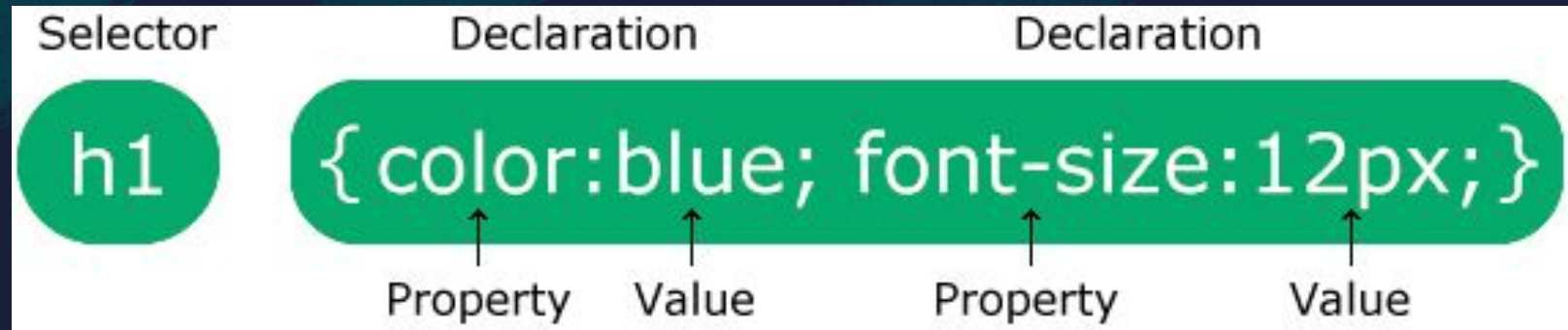
Style Sheets



style.css

```
<head>  
  <link rel="stylesheet" type="text/css" href="style.css">  
</head>
```

Structure



Selectors

- **Element**

- `p { color: green; }`
- `div { font-size: 16px; }`

- **Id**

- `<div id="my-block"></div>`

`#my-block { width: 100%; }`

- **Class**

- `<p class="my-text"></p>`

`.my-text { font-weight: bold; }`



Properties for text

- **color**
 - `h1 { color: green; }`
- **text-align**
 - `h2 { text-align: left; }`
- **text-decoration**
 - `h3 { text-decoration: underline; }`
- **text-transform**
 - `p { text-transform: uppercase; }`



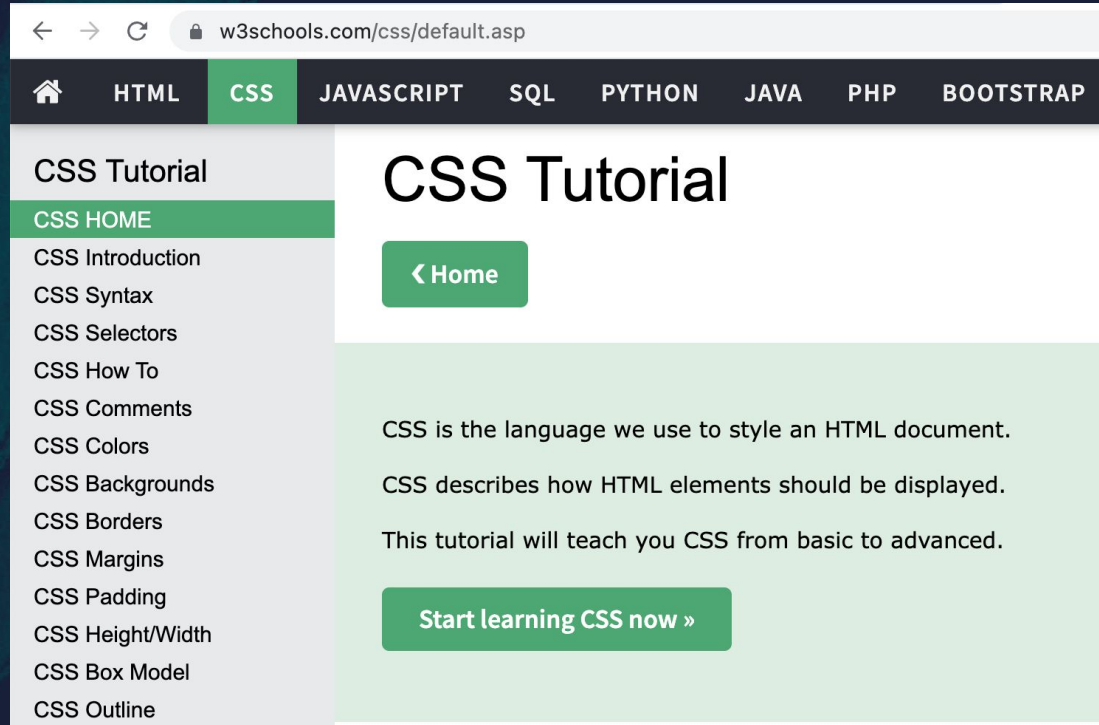
Properties for block

- **width**
 - `div { width: 100%; }`
- **height**
 - `div { height: 50px; }`
- **background-color**
 - `div { background-color: yellow; }`
- **border**
 - `div { border: 2px solid red; }`



All CSS Properties

<https://www.w3schools.com/css/default.asp>

A screenshot of the W3Schools CSS Tutorial page. The browser address bar shows the URL 'w3schools.com/css/default.asp'. The navigation bar includes links for HTML, CSS (highlighted), JAVASCRIPT, SQL, PYTHON, JAVA, PHP, and BOOTSTRAP. The left sidebar contains a 'CSS Tutorial' menu with 'CSS HOME' highlighted, and a list of topics including CSS Introduction, CSS Syntax, CSS Selectors, CSS How To, CSS Comments, CSS Colors, CSS Backgrounds, CSS Borders, CSS Margins, CSS Padding, CSS Height/Width, CSS Box Model, and CSS Outline. The main content area features the title 'CSS Tutorial', a '< Home' button, and three paragraphs of introductory text about CSS. At the bottom of the main area is a green button that says 'Start learning CSS now »'.

← → ↻ 🔒 w3schools.com/css/default.asp

🏠 HTML CSS JAVASCRIPT SQL PYTHON JAVA PHP BOOTSTRAP

CSS Tutorial

[< Home](#)

CSS is the language we use to style an HTML document.

CSS describes how HTML elements should be displayed.

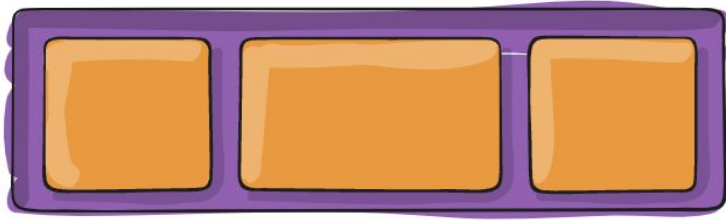
This tutorial will teach you CSS from basic to advanced.

[Start learning CSS now »](#)

Positioning. Flexbox

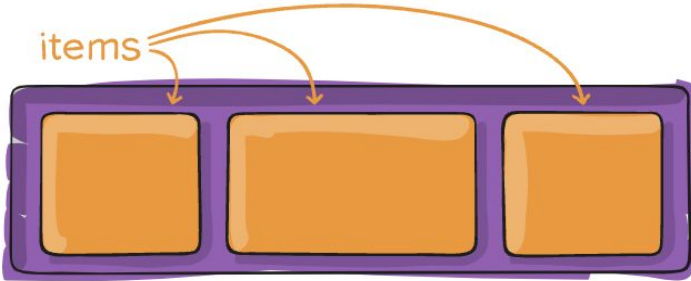


container



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

items

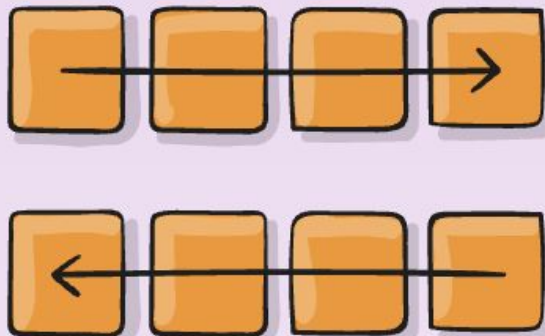


Positioning. Flexbox

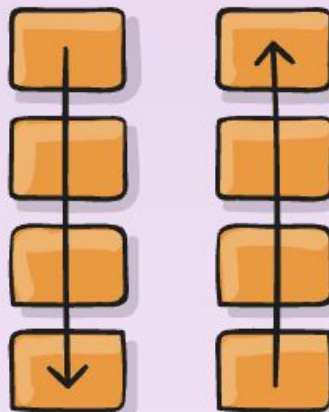


flex-direction

row

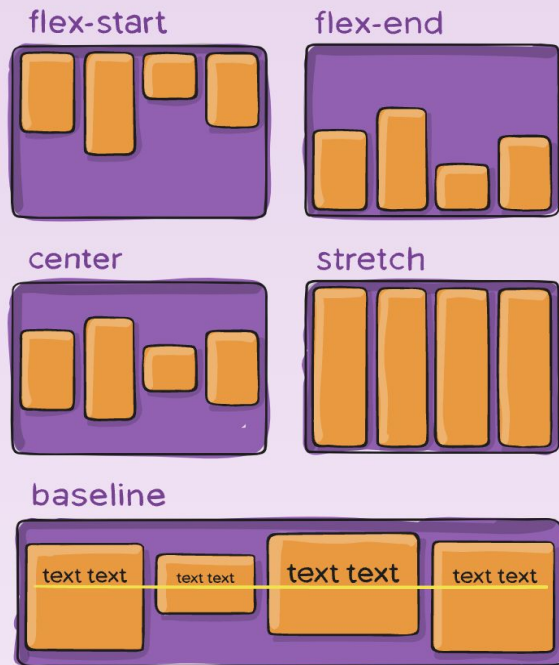


column

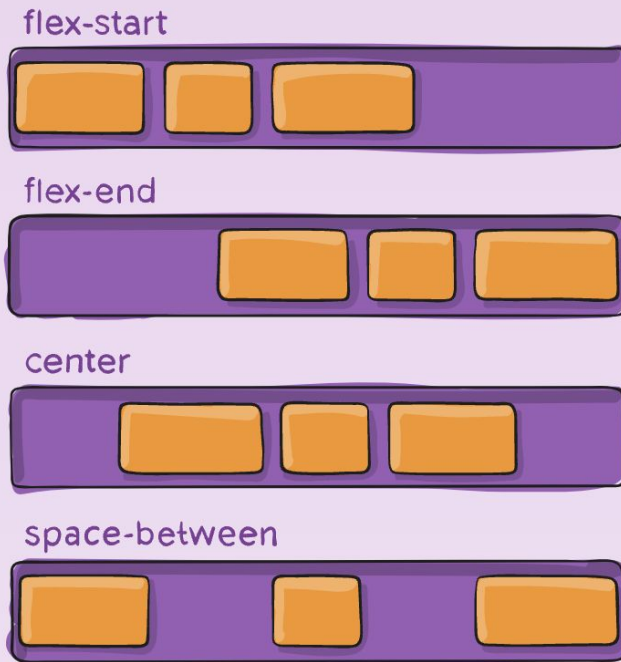


Positioning. Flexbox

align-items



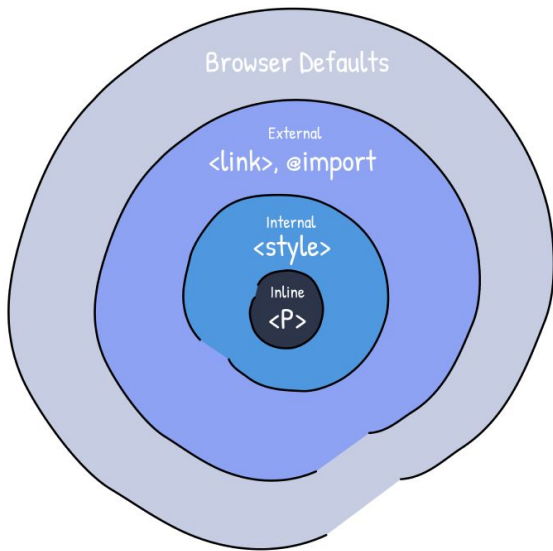
justify-content



Why Cascading?

The CSS Cascade

- - Most Important
- - Least Important



See which styles get shown first

Practice time





Practice time

