

HTML & CSS Lab

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Web Application Programming

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Overview

HTML



CSS



HTML

- HTML - Hyper Text Markup Language
- HTML is a document that contains text
- Web browser can read and display that contain HTML.

HTML - Elements

- `<>` - Angle brackets contain Tag
- `<tag>SOMETHING TEXT</tag>` - Markup Element
- `
` - Empty Element
- Reference - <https://www.w3schools.com/TAGs/>

Getting Start



notepad-plus-plus.org



atom.io

Basic Structure of the HTML Document

1-basic.html

```
<!DOCTYPE html>
<html>
<head>
  <title>My First HTML Document</title>
</head>
<body>
  <h1>This is a Heading</h1>
  <p>This is a paragraph.</p>
  <br>
  <br>
  <br>
  <br>
  <br>
  <h2>This is a Heading 2</h2>
</body>
</html>
```

HTML Lists

2-olul.html

```
<!DOCTYPE html>
<html>
<head>
  <title>HTML Lists</title>
</head>
<body>
  <ul>
    <li>Dog</li>
    <li>Cat</li>
    <li>Guinea Pig</li>
  </ul>
</body>
</html>
```

- Unordered Lists

- Ordered Lists

HTML Links

- Web link
 - `ANYTHING`
- Link within same web page
 - `ANYTHING`
- Link to another HTML page
 - `Go!`

HTML Blocks

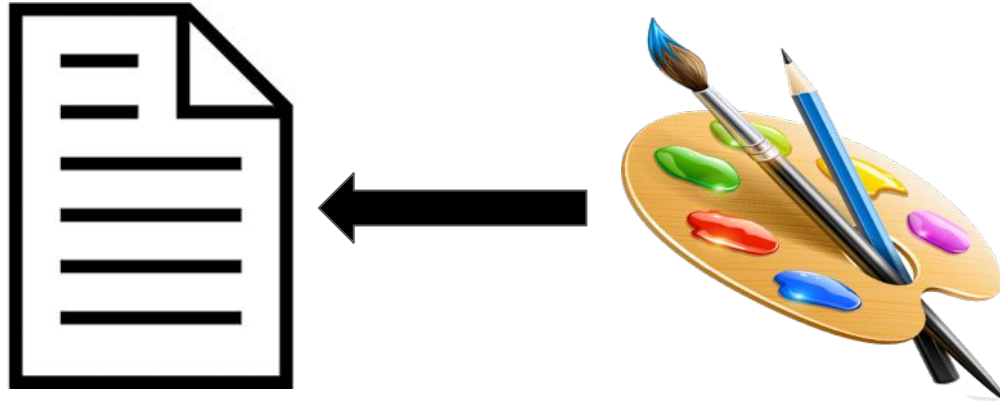
- The `<div>` Element
- The `` Element

HTML Image and Video

- The `` element
- The `<video>` element

CSS?

- Cascading Style Sheets (CSS) is a style sheet language used for describing the look and formatting of a document written in a markup language
- Add style to your HTML
- Can control how your web pages look without changing your HTML



CSS?

- Inline - by using the style attribute in HTML elements
 - `<tagname style="property:value">`
- Internal - by using a `<style>` element in the `<head>` section
 - `<style>`
 `body { background-color:yellow; }`
 `</style>`
- External - by using an external CSS file
 - `<link rel="stylesheet" type="text/css" href="main.css">`

CSS Basics

- Let's refer
<https://www.w3schools.com/>

The logo for w3schools.com, featuring the text "w3schools.com" in a bold, sans-serif font. The "w3" is in dark grey, "schools" is in dark grey, and ".com" is in green.

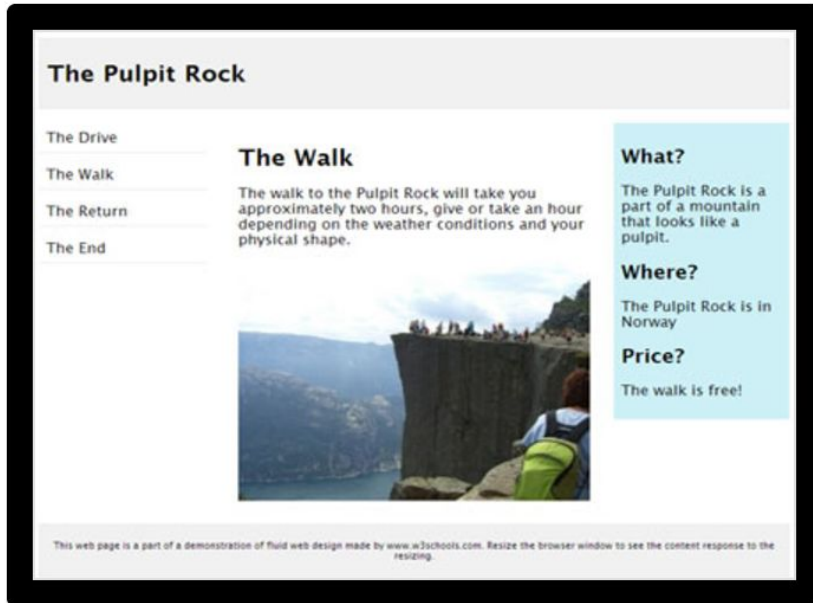
TUTORIALS ▼

REFERENCES ▼

EXAMPLES ▼

Responsive Design

- Responsive Web Design makes your web page look good on all devices (desktops, tablets, and phones).



Next Lab



Assignment

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