

# HTML5

(HyperText Markup Language 5)

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# Objective

At the end of the class you should:

- Explain what is meant by HTML being a markup language and not a programming language
- Be able to create and view a simple webpage

# What is HTML

- HyperText Markup Language
- It's a Declarative Language
- It's not a programming language
- It's strictly presentational, there is no logic
- Annotate text so that the computer can

# What We Need To start

- A web browser (*Pick one*)
  - Google Chrome
  - Mozilla Firefox
  - Safari
  - Edge

# What We Need To start

- A Text Editor (*Pick One*)
  - Sublime Text
  - Atom.io
  - Visual Studio Code
  - Brackets

# Creating an HTML file

- Does NOT need a server
- Files must end with the **.html** extension
- Runs in a web browser
- **Index.html** is the root/home page of a website

# HTML Tags

- Element names surrounded by angle brackets
- Normally comes in pairs (start tag and end tag)
- End tag is usually the same but with a forward slash
- Some tags close themselves

# HTML Tags

## Tag Syntax

**<tagname> content </tagname>**

**<h1> Header Level One </h1>**

**<div> Generic Container </div>**



# HTML Page Structure

```
<html>
```

```
<head>
```

```
<title> Page Title </title>
```

```
</head>
```

```
<body>
```

```
<h3> Header Level 3 </h3>
```

# HTML Page Structure

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title> Page Title</title>
```

```
  </head>
```

```
  <body>
```

```
    <h3> Header Level 3 </h3>
```

# Inline .vs Block Level Elements

## Inline Elements:

- Do not start on a new line
- Take only the necessary width

## Block Elements:

# Tag Attributes

*<tagname attributename="attributevalue">*

*content*

*</tagname>*

***<h1 title="My Company"> About us </h1>***

- All tags can have attributes

# Basic HTML tags

- Comments
- Headers
- Paragraphs
- Anchors
- Strong
- Em
- Lists
- Form
  - Label
  - Input
  - Br
- Hr
- Textarea
- Select