



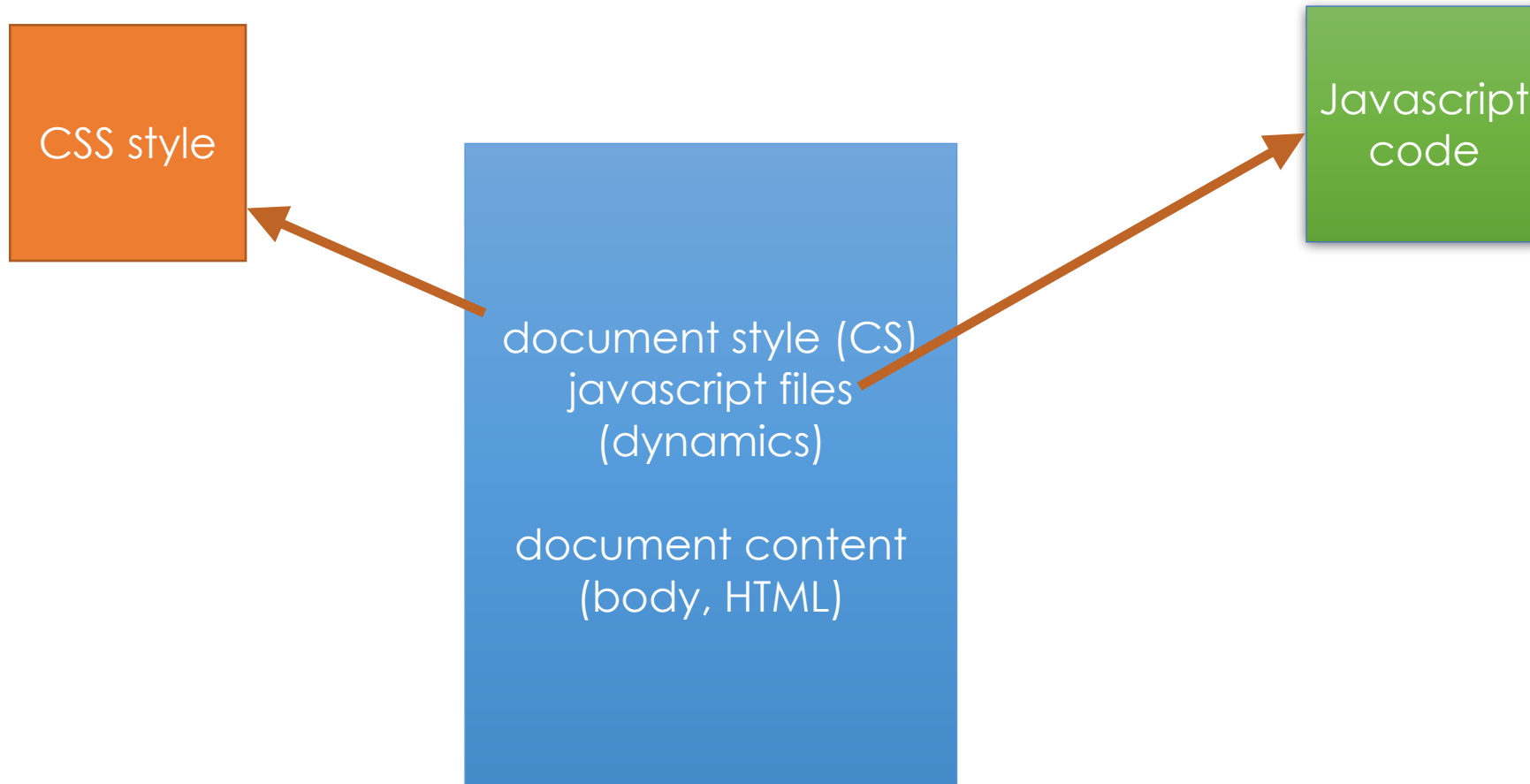
UNIVERSITÀ
DI TORINO

Introduction to HTML

Prof. Fabio Ciravegna
Dipartimento di Informatica
Università di Torino
fabio.ciravegna@unito.it



How to Programme a Web Client



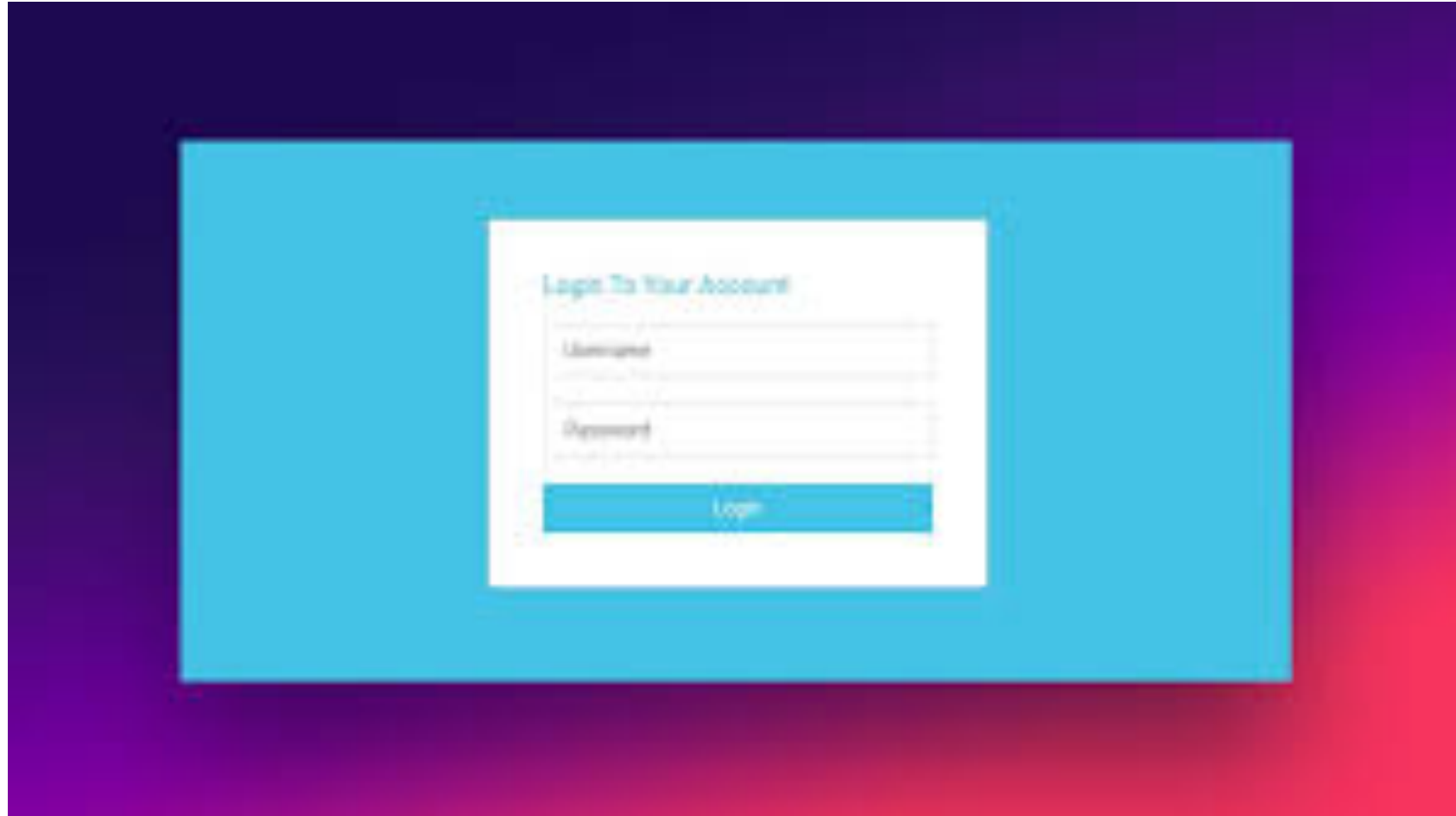
Pure HTML

Travel Reservation Form

*** denotes mandatory**

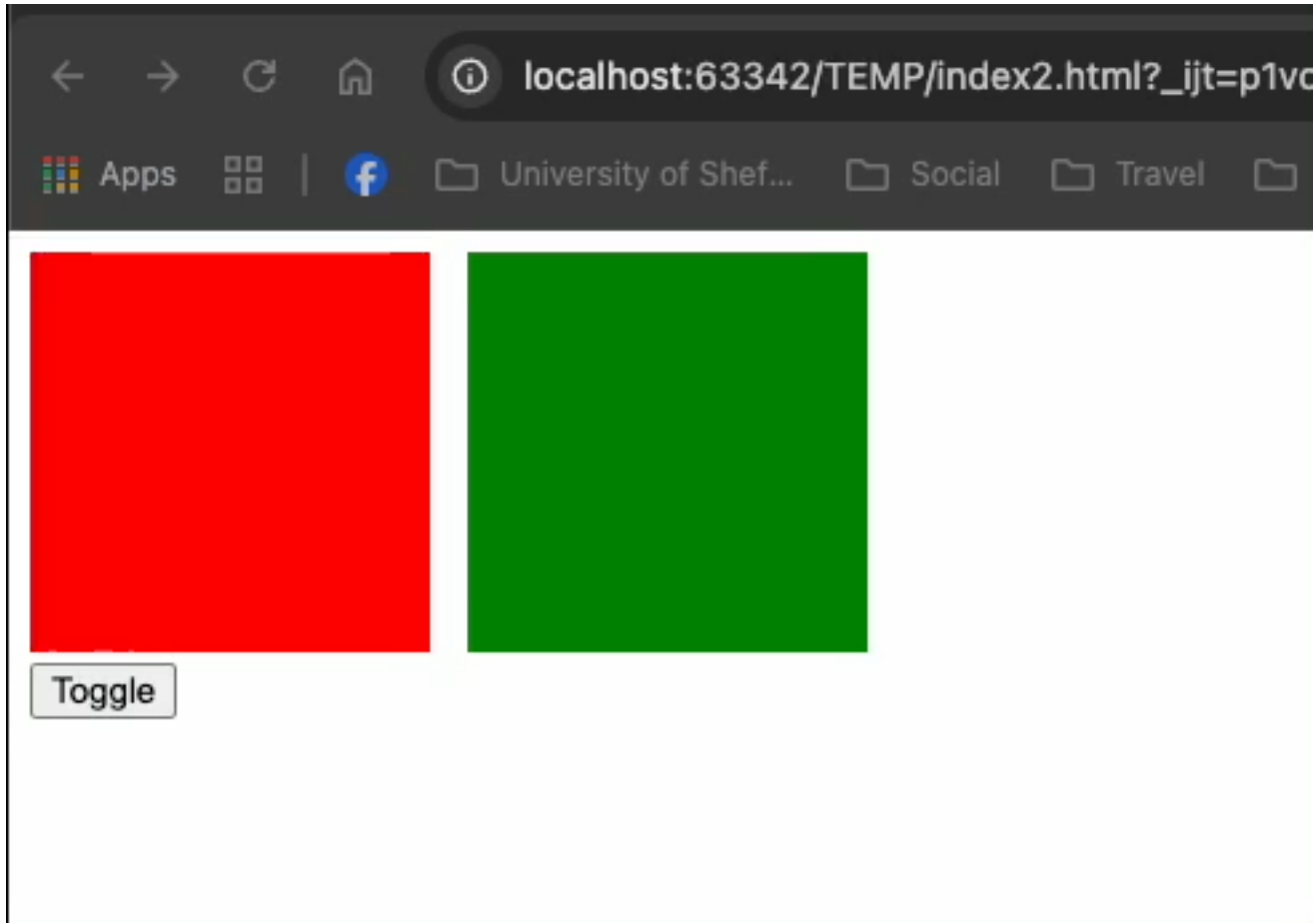
<input type="text" value="Name"/>	<input type="text" value="*Mobile Number"/>
<input type="text" value="*Email ID"/>	<input type="text" value="Month of Travel ▼"/>
<input type="text" value="*Origin ▼"/>	<input type="text" value="Destination"/>
<input type="button" value="Get A Call"/>	<input type="button" value="Clear"/>

With CSS



not the same form

Animation



HTML (Hypertext Markup Language)

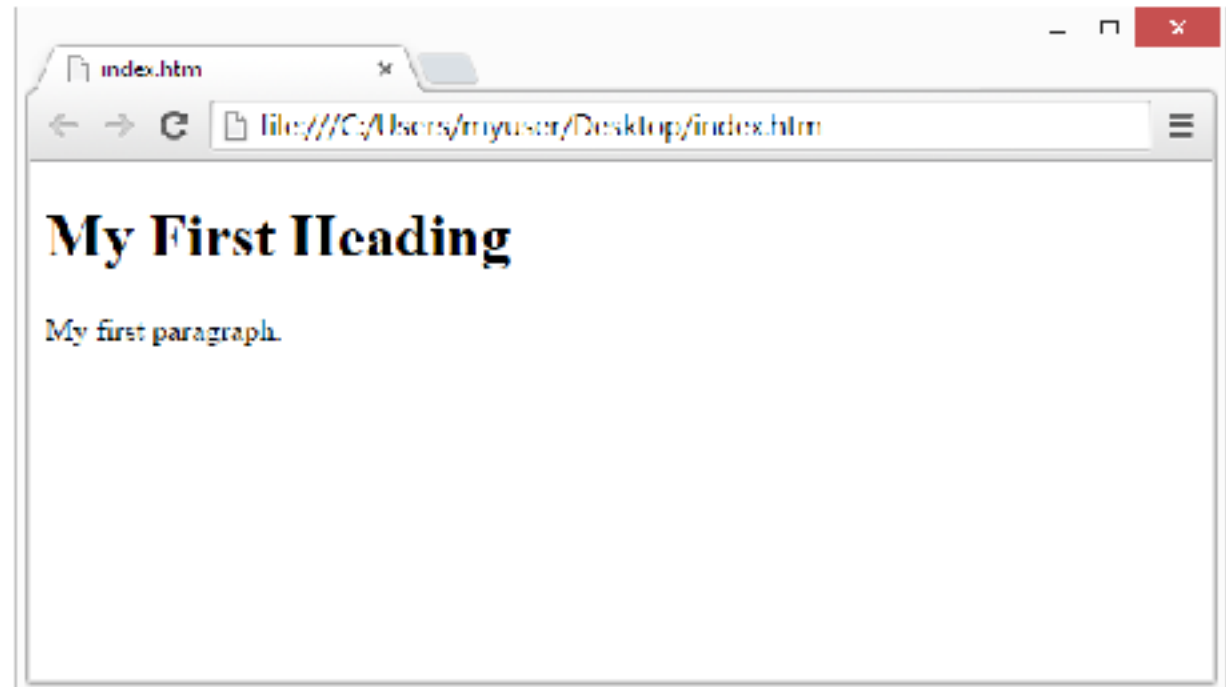
- HTML
 - HTML = HyperText Markup Language
 - A language to describe the content and structure of web pages
- Markup language → uses tags to:
 - Define page structure (headings, sections, paragraphs, ...)
 - Specify content type (e.g. a hyperlink)
 - Optionally add info for browser rendering (mostly obsolete)
- Latest version: HTML5
- Documentation & tutorials: <http://www.w3schools.com/html/default.asp>

HTML – browser visualisation

- How the Browser Displays HTML
 - The browser downloads the HTML document and interprets its tags sequentially, from start to finish, to render it on screen.
- The browser displays the page by applying:
 - Default presentation rules associated with the tags, or
 - Rules specified in a style sheet that defines how to render the tag content (CSS – we will see this later).
- For now, we will work without style sheets, using only the default rendering rules of HTML elements.

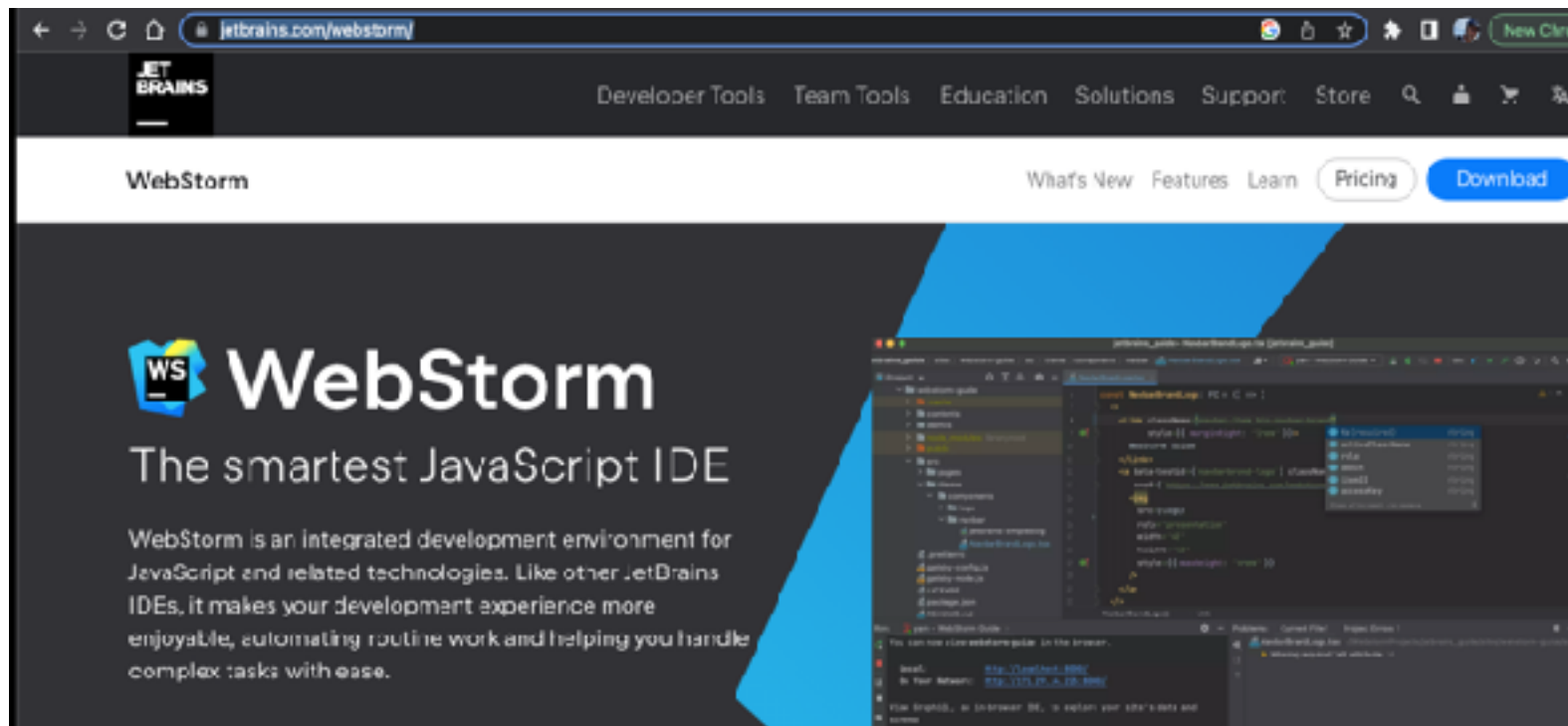
Web Browsers

- The purpose of a web browser
 - Chrome, Edge, Firefox, Safari
 - is to read HTML documents and display them correctly
- A browser **does not display the HTML tags**,
 - but uses them to determine how to display the document
 - i.e. to format the page



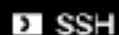
Editing HTML Documents

- You can use
 - Webstorm (suggested) - <https://www.jetbrains.com/webstorm/>
 - IntelliJ Ultimate (same as Webstorm with less obvious features)
- For both you can have a free student licence



Projects












Remote Development Beta



Customize

Plugins

Learn WebStorm

-  **mobility_server**
~\Documents\Programmes\Android\Itonno\BHF\USFD_Version\mobility_server
-  **Fabio_Ciravegna**
~\Documents\WWW\Torino\Fabio_Ciravegna
-  **Torino Mobility Server**
~\Documents\Programmes\Android\Torino\Server\Torino Mobility Server
-  **new_website, Amilcare...**
~\Documents\WWW\Sheffield\Fabio Ciravegna Official Site\new_website
-  **Fabio_Ciravegna**
~\Documents\WWW\Sheffield\Fabio Ciravegna Official Site\new_website\Fabio_Ciravegna
-  **Week 3**
~\Documents\Teaching\Sheffield\COM3504-G504 Intelligent Web\COM3504 3ides\Week 3 C...
-  **package-lock**
~\private\var\folders\1n\6y0jk6955<9688y75p6gs7l-0CCCgp\T\package-lock.json
-  **new_website, Amilcare...**
~\Documents\WWW\Fabio Ciravegna Official Site\new_website
-  **OTCameraE**
~\Documents\Programs\Android\OTCameraE\OTCameraE
-  **watchServer**
~\Documents\Programs\Android\watchServer
-  **empty server for certhol**



Creating an HTML file



Search Everywhere **Double** ⇧

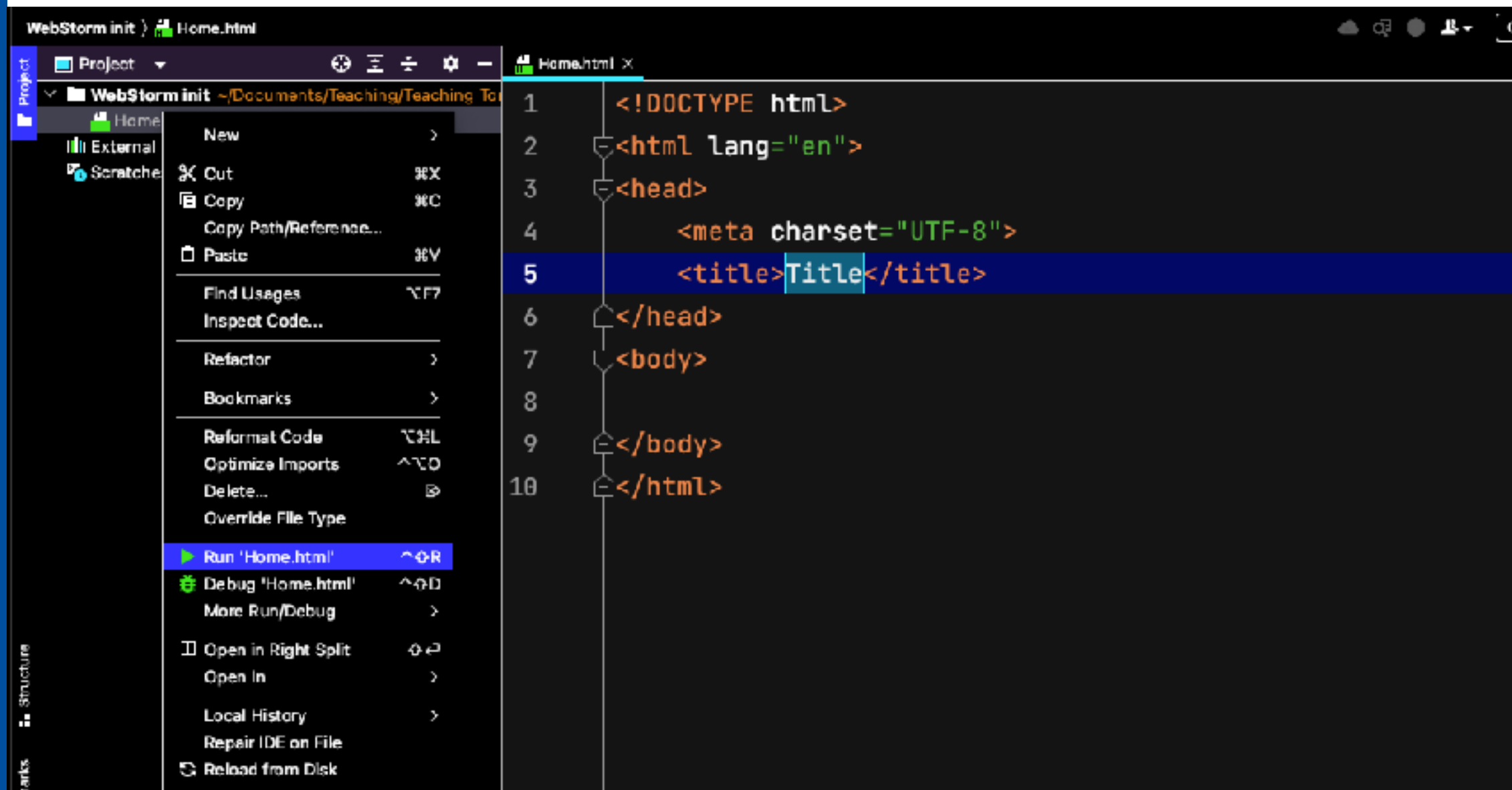
Go to File ⇧⌘O

Recent Files ⌘E

Navigation Bar ⌘↑

Drop files here to open them

View the HTML Page in Your Browser





UNIVERSITÀ
DI TORINO

W3Schools Online Editor - "Try it Yourself"

w3schools.com/html/html_editors.asp

Bootcamps

HTML

CSS

JAVASCRIPT

SQL

PYTHON

JAVA

PHP

BOOTSTRAP

HOW TO

W3.CSS

C

C++

C#

REACT

R

JQUERY

HTML Tutorial

HTML HOME

HTML Introduction

HTML Editors

HTML Basic

HTML Elements

HTML Attributes

HTML Headings

HTML Paragraphs

HTML Styles

HTML Formatting

HTML Quotations

HTML Comments

HTML Colors

HTML CSS

HTML Links

HTML Images

HTML Favicon

HTML Page Title

HTML Tables

HTML Lists

HTML Block & Inline

HTML Classes

W3Schools Online Editor - "Try it Yourself"

With our free online editor, you can edit the HTML code and view the result in your browser.

It is the perfect tool when you want to **test** code fast. It also has color coding and the ability to save and share code with others:

Example

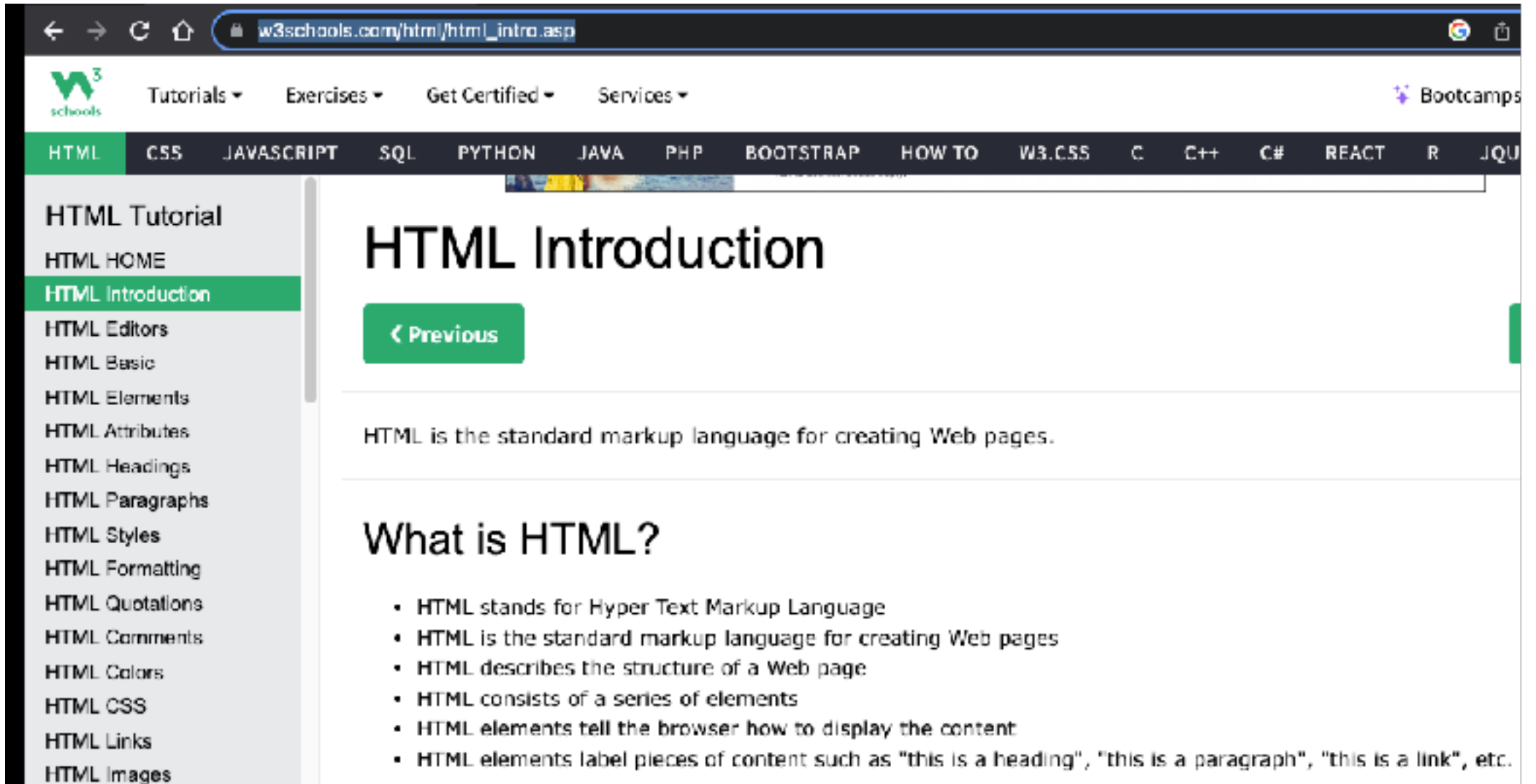
```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>This is a Heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

Try It Yourself »

Material from [W3Schools.com](https://www.w3schools.com/html/html_intro.asp)



The screenshot shows the W3Schools website interface. The top navigation bar includes links for Tutorials, Exercises, Get Certified, and Services. A secondary navigation bar lists various technologies: HTML, CSS, JAVASCRIPT, SQL, PYTHON, JAVA, PHP, BOOTSTRAP, HOW TO, W3.CSS, C, C++, C#, REACT, R, and JQU. On the left, a sidebar menu lists HTML topics, with 'HTML Introduction' highlighted. The main content area features the title 'HTML Introduction', a 'Previous' button, a paragraph stating 'HTML is the standard markup language for creating Web pages.', and a section titled 'What is HTML?' followed by a bulleted list of facts about HTML.

HTML Tutorial

HTML HOME

HTML Introduction

HTML Editors

HTML Basic

HTML Elements

HTML Attributes

HTML Headings

HTML Paragraphs

HTML Styles

HTML Formatting

HTML Quotations

HTML Comments

HTML Colors

HTML CSS

HTML Links

HTML Images

HTML Introduction

[← Previous](#)

HTML is the standard markup language for creating Web pages.

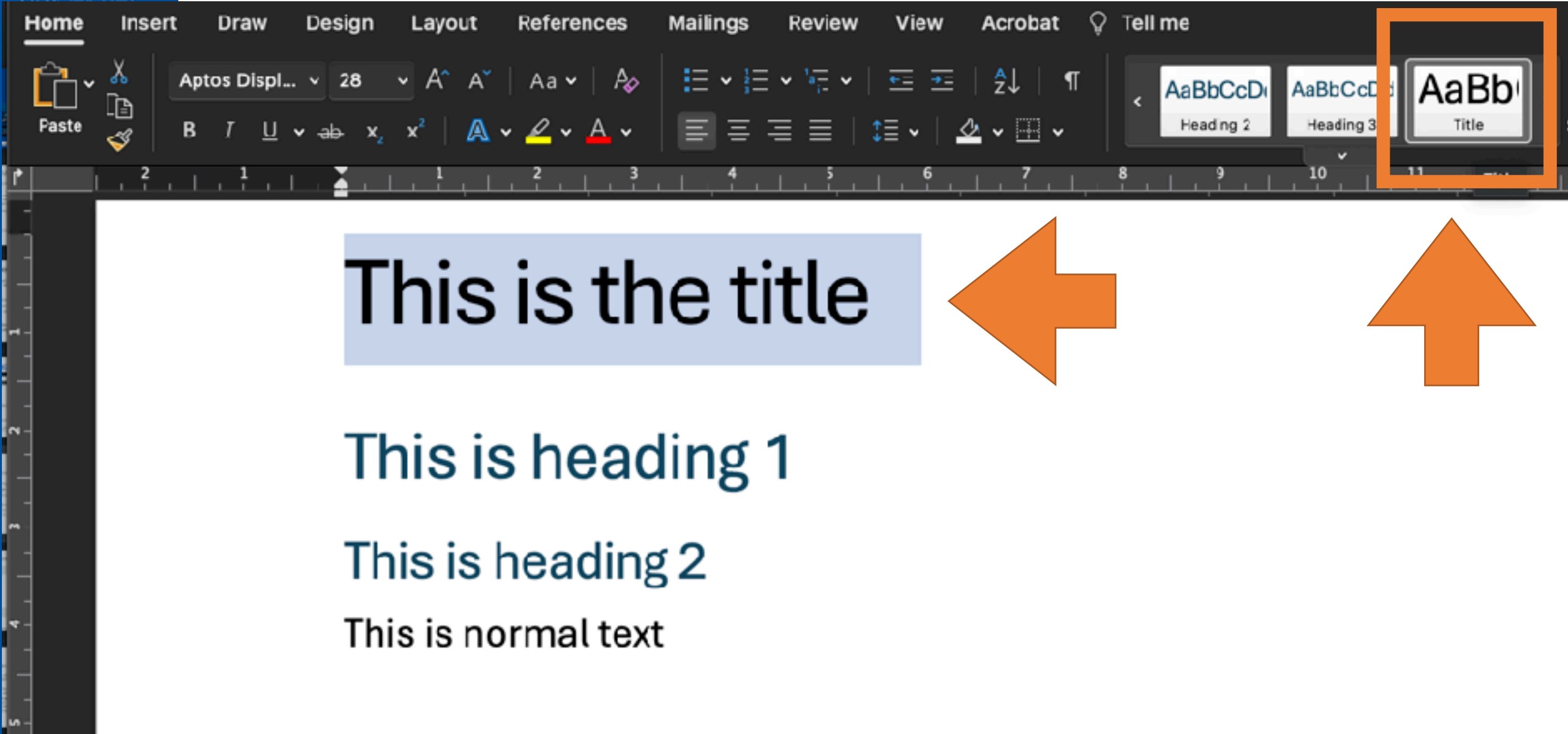
What is HTML?

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

HTML

- HTML is the standard markup language for creating Web pages
 - HTML stands for Hyper Text Markup Language
 - HTML is the standard markup language for creating Web pages
 - HTML describes the structure of a Web page
 - HTML consists of a series of elements
 - HTML elements tell the browser how to display the content
 - HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

That is equivalent to Word



The image shows a screenshot of the Microsoft Word interface. The ribbon at the top includes tabs for Home, Insert, Draw, Design, Layout, References, Mailings, Review, View, Acrobat, and Tell me. The Home tab is active, showing options for Paste, Font (Aptos Display, size 28, bold, italic, underline, text color, background color), Paragraph (bullets, numbering, indent, decrease indent, increase indent, line and paragraph spacing, orientation), Styles (AaBbCcDd, Heading 2, Heading 3, Title), and a search bar. The document content below the ribbon shows four lines of text: "This is the title" (highlighted in blue), "This is heading 1" (in blue), "This is heading 2" (in blue), and "This is normal text" (in black). Two large orange arrows point from the "Title" style box in the ribbon to the "This is the title" text in the document. A vertical ruler is visible on the left side of the document.

Home Insert Draw Design Layout References Mailings Review View Acrobat Tell me

Paste Font Paragraph Styles

Aptos Displ... 28 A A Aa A

B I U x₂ x² A A

AaBbCcDd Heading 2 AaBbCcDd Heading 3 AaBbCcDd Title

This is the title

This is heading 1

This is heading 2

This is normal text

© 2019, Fabio Ciravegna, Università di Padova

A Simple HTML Document

Example

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

Try it Yourself »

Click on the image to try it yourself

https://www.w3schools.com/html/html_intro.asp

HTML Tutorial



HTML HOME
HTML Introduction
HTML Editors
HTML Basic
HTML Elements
HTML Attributes
HTML Headings
HTML Paragraphs
HTML Styles
HTML Formatting
HTML Quotations
HTML Comments
HTML Colors



HTML CSS
HTML Links
HTML Images
HTML Favicon
HTML Page Title
HTML Tables
HTML Lists
HTML Block & Inline
HTML Classes
HTML Id
HTML Iframes
HTML JavaScript
HTML File Paths
HTML Head
HTML Layout



HTML Responsive
HTML Computercode
HTML Semantics
HTML Style Guide
HTML Entities
HTML Symbols
HTML Emojis
HTML Charset
HTML URL Encode
HTML vs. XHTML

HTML Forms
HTML Forms
HTML Form Attributes
HTML Form Elements
HTML Input Types
HTML Input Attributes
HTML Input Form Attributes

Let's continue on the Website

- https://www.w3schools.com/html/html_elements.asp