Learn to code in HTML & CSS

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LEARN TO CODE IN HTML & CSS
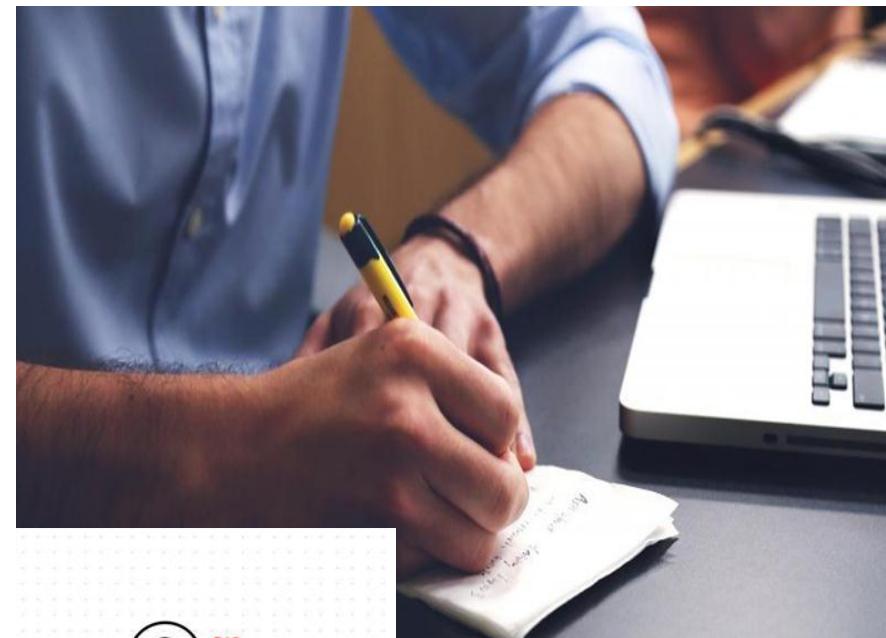
Methodology

- ✓ HTML's Timeline

- ✓ The MARKUP LANGUAGE

- ✓ BASIC HTML SYNTAX

- ✓ Cascading STYLESHEETS

- ✓ BASIC CSS SYNTAX

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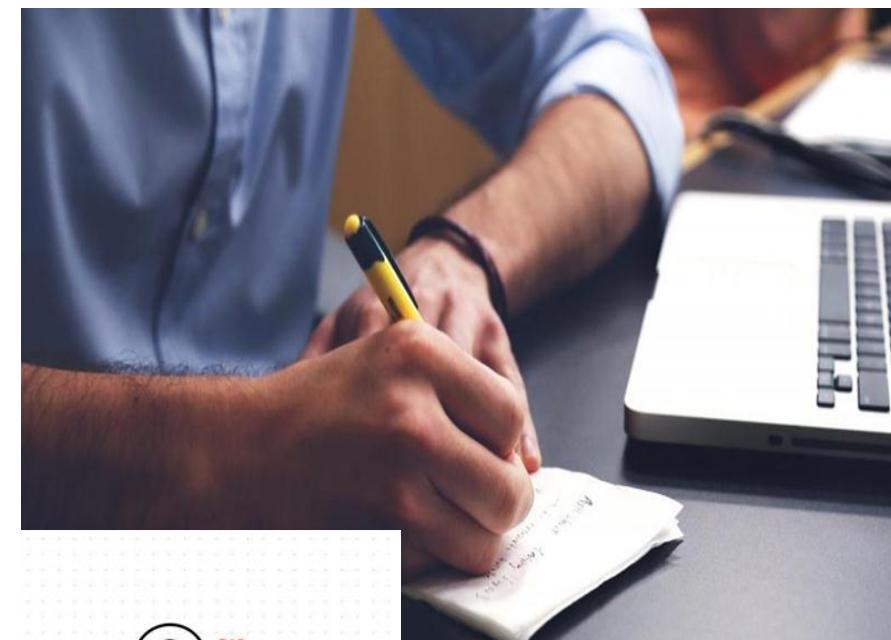# LEARN TO CODE IN HTML & CSS

Why should I learn HTML & CSS?

✓A base to understand your site, modify it and solve problems as needed;

✓Indispensable to optimize its referencing;

✓To understand and be understood with the developers with whom you work.

✓The HTML and CSS languages are essential because they have no competitor and are the basis of any web development project;

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THE FONCTION OF HTML & CSS

- ✓ HTML (a markup language)specifies the content of a web page i.e. gives its structure

- ✓ CSS (style sheet language) specifies the formatting of the web page

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HTML's Timeline

✓ Derived from SGML, extended to XHTML

✓ November 1995 — HTML 2.0

   ✓ Basic form based, table structure, internationalisation support

✓ January 1997 — HTML 3.2

   ✓ Adopted Netscape's visual tags

✓ December 1997 — HTML 4.0

✓ Strict, transitional and frameset DTDs introduced

✓ January 2008 — HTML 5.0 working draft released

✓ XHTML is a separate language
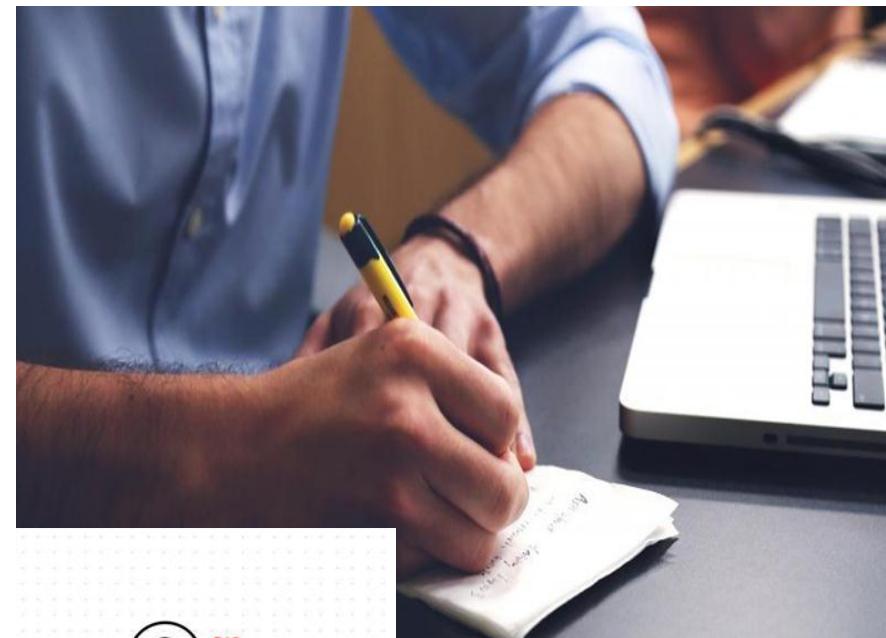
✓ Began as a reformulation of HTML 4.01 using XML 1.0

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TEXT EDITOR:

To code in HTML or CSS, we move in a free text editor:

✓Windows = komodo, notepad ++,

✓Mac = komodo, text wrangler, etc.

✓Linux = komodo, g Edit, etc.

✓Online=W3school, Jsbin
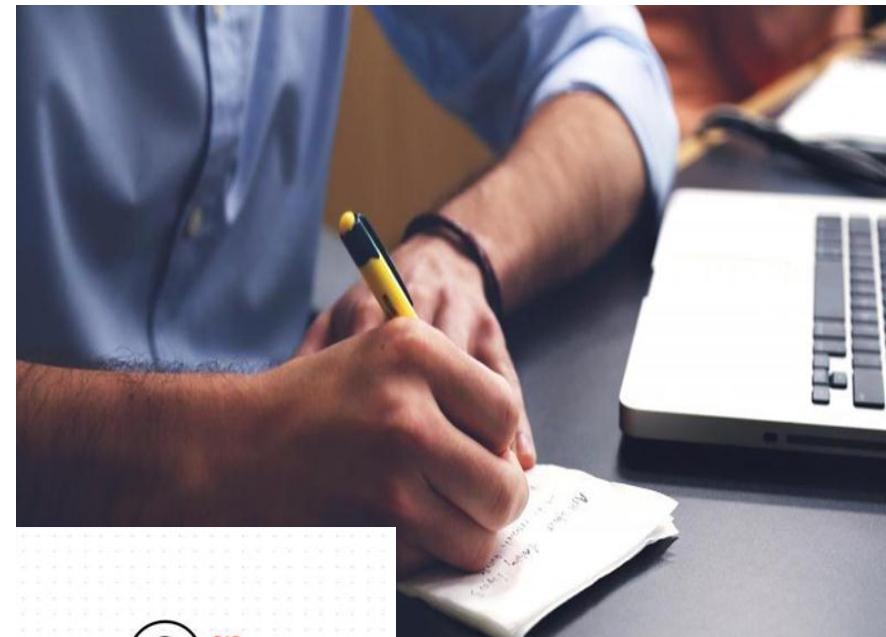
Hint: First change the background colour of your text editor to Black

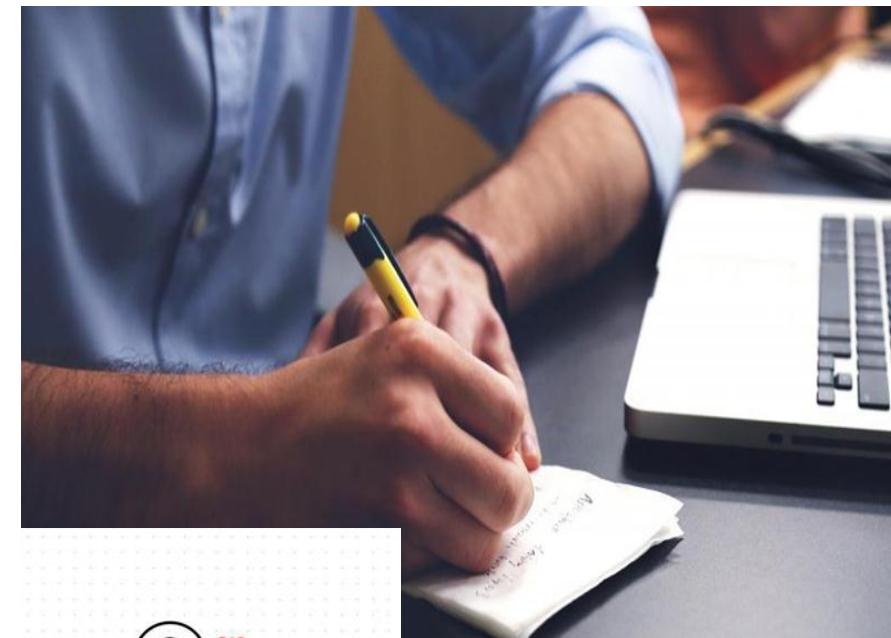# LEARN TO CODE IN HTML & CSS

The MARKUP Language

```
<!DOCTYPE html>
<html>
        <Head>
        </Head>
        <body>
        </body>
</html>
```


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The MARKUP Language

- <!DOCTYPE html>,is a document type Declaration

- <html> is the opening tag and tells the browser that everything between that and the </html> closing tag is an HTML document

- <Head> </Head> is the vessel of important tags such as titles, script, link files and style sheets

- The stuff between <body> and </body> is the main content of the document

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Basic syntax

Elements =

• Define objects in our web page
- The element **p** defines a paragraph,
- The elements **h1**, **h2**, ..., **h6** define titles,
- The element **a** defines a link

Usually consisting of a pair of tags:
- Opening tag:**<P >**
- closing tag: **</ p>**
- Exception: orphan tags like **
**

Attributes =
- Properties used to give additional indicators to the elements.
- Indicate the link target
 The Youtube site

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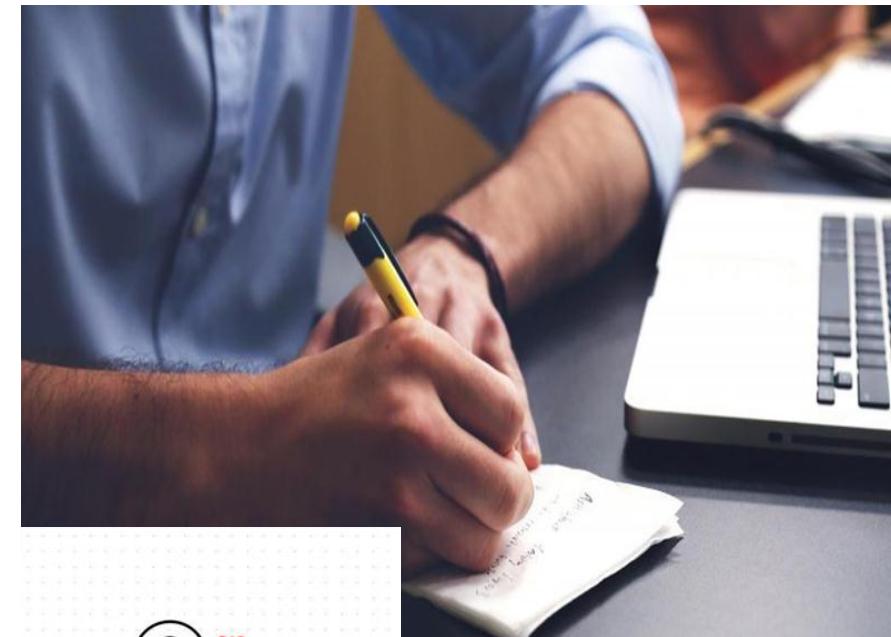## Basic syntax

Other useful tags

- Lists: ** ** for unordered lists and ** ** for ordered list

- Images: **<img src="**WebGISlogo.png**" / >**

- Tables: **<Table>** defines the table

  <tr> table row

  <td> meat**</td>**

  <td> fish**</td>**

  </tr> close table row

  </Table>

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Basic syntax

Other useful tags

- Forms: basic tags used here are form, input, textarea, select and option
  - Form: **<form action= "Webmango.php" method="post"> </form>**
  - Input: **<input type="submit">**
    <input type="text" value="Peace.keeper">
  - Textarea:**< textarea rows ="10"   cols ="15 "> multi.texties</textarea>**
  - Select and options: **<select>**
    <option>item1 **</option>**
    <option>value="item2" **</option>**
    </select>
  - Names: **<input type="**radio**" name="Biz" value="zy">**

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Cascading Style Sheet

```
<!DOCTYPE html>
<html>
<Head>
       <style type="text/css">
       </style>
</Head>
<body>
       Beginning CSS
</body>
</html>
```


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Cascading Style Sheet

Basic syntax

Selectors: {property: value}

                example P { text-indent: 3em }

Class selectors: name.html{ color: #330000}

                name.css{ color: #191970}

ID selectors: #stylish { color: blue}

Grouping: H1, H6 { color: red; font-family: Arial }

inheritance: h4>a

Inline: div{border:2px solid blue}

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Cascading Style Sheet
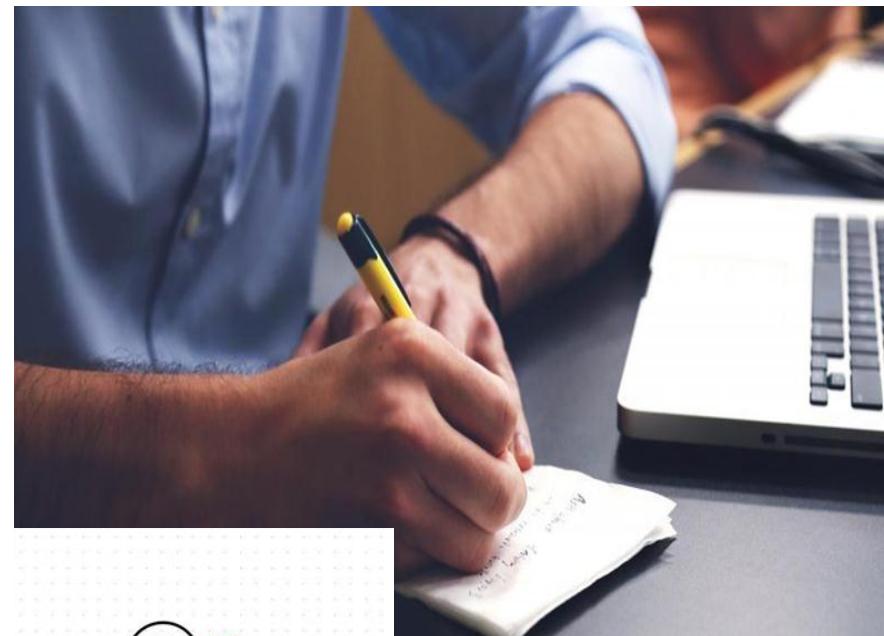
Basic syntax

Linking **external** stylesheets:

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

Internal stylesheets: when a single document has a

   unique style

. Within <head> tags

. <style type="text/css"> hr{ color:green; } </style>

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Thank You