

HTML - Lesson 1



Coding for Global Impact

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HTML – 1st Lesson

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Duration : 1 hour class

Intro to the Course

Before diving into coding, we'll spend a few minutes

Going over procedures and expectations

Choosing a topic and forming groups

Keep this document handy: <https://docs.google.com/document/d/1-pfqG0EOVKoo7C3dn0kEQUgKhDPPXyhEssmj86Q50uk/edit>

Overview & Purpose

HTML, the Hypertext Markup Language, is a standard for describing the structure and presentation of information via the Internet. Web developers use HTML keywords or tags to instruct the Web browser

application how to **format** and display the content of Web pages.

Materials Needed

1. Chromebook (PC/Laptop)
2. Notepad ++ (<https://notepad-plus-plus.org/downloads/v7.0/>)

Activity

Describe activity that will reinforce the lesson

Step 1

1. Save your first document the format is *name.html * for example **MyFirstCode.html**
2. Save it on your desktop then check on your desktop and find the program you've saved. It must look like a browser extension.
3. Double click on it and it will open in your browser.

Step 2

Below is the structure of any program

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>This is a sample title</title>
```

```
</head>
```

```
<body>
```

```
<h1>This is a heading.</h1>
```

<p>This is a sample paragraph.</p>

</body>

</html>

Notes

The <!DOCTYPE html> declaration defines that this document is an HTML5 document

The <html> element is the root element of an HTML page. It has a closing element which is **</html>**

The <head> element contains meta information about the HTML page. It has a closing element which is **</head>**

The <title> element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)

The <body> element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc. It has a closing element which is **</body>**

The <h1> element defines a large heading

HTML headings are defined with the <h1> to <h6> tags.

<h1> defines the most important heading. <h6> defines the least important heading:

The <p> element defines a paragraph

Other tags to take note of:

1. The **<a>** tag defines a hyperlink, which is used to link from one page to another.

The most important attribute of the **<a>** element is the **href** attribute, which indicates the link's destination.

By default, links will appear as follows in all browsers:

An unvisited link is underlined and blue

A visited link is underlined and purple

An active link is underlined and red

2. The **<div>** tag defines a division or a section in an HTML document.

The **<div>** tag is used as a **container** for HTML elements - which is then styled with CSS or manipulated with JavaScript.

The **<div>** tag is easily styled by using the **class** or **id** attribute.

Any sort of content can be put inside the **<div>** tag!

NB: Tags/elements can have other elements inside them.

Step 3 - Adding a background image to the website

Now create a folder and put your site in the folder then i want you to find pictures of yourself and also put them in the same folder

Now the reason why it must be in the same folder is so that it points to the image in the same folder You also need your image to be renamed to something easy because we will tag it in our code

This change is done in the body of the website

```
<a href="img/uctuppercampus.jpg"> </a>
```

you insert that line like that within the opening body tag

You can also add links within your text for example like when you're talking about your school

You can actually put your school as a link and if someone clicks on the text (***school name***) it will actually lead you to the school website

Can you google your school website and have it open

```
<a href="school link goes here">name of school goes here</a>
```

Step 4 - Add an image to your site

There are two important words for the image format

img stands for image

src stands for source

that's the format for an image ``

You can insert that under you last paragraph you will need to change the name to the name of your website and also to insert the name of your picture in the space with the brackets

```

```

Now the last thing for the day is to actually resize the picture. We do this by playing with the width and height

```

```

