HTML: the structure of an HTML document and metatags

Unit 1 – Lesson 3

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So far we know that…

- Indentation is used to make the code more readable

- Tags are nested inside other tags

Work in pairs

- Analyse the following HTML document and indicate the main tags that contain the other ones

```html
<!DOCTYPE html>
<html>
    <head>
        <title>First example</title>
        <meta name="author" content="Luigi">
    </head>
    <body>
        <h1>My first web page</h1>
        <p>HTML is the language used to create websites.
        <br>It uses tags to display elements.
        <br><img src="images/logo.png">
        <a href="https://www.w3schools.com/html/default.asp">Click here</a>
        if you need more information.</p>
    </body>
</html>
```

The structure of an HTML file: work in pairs and answer the following questions

1. What is the extension of an HTML file?

2. What is the root tag?

3. What are the two main tags (apart from the root tag)?

The structure of an HTML file

```html
<!DOCTYPE html>
<html>
    <head>
        <!--metadata-->
    </head>
    <body>
        <!--elements displayed-->
    </body>
</html>
```

The structure of an HTML file

```
<!DOCTYPE html>
<html>
    <head>
        <!--metadata-->
    </head>
    <body>
        <!--elements displayed-->
    </body>
</html>
```

- Green writings are comments; we comment the code to make it more readable

The structure of an HTML file

```html
<!DOCTYPE html>
<html>
    <head>
        <!--metadata-->
    </head>
    <body>
        <!--elements displayed-->
    </body>
</html>
```

The extension of an HTML file is *.html

The structure of an HTML file

```
<!DOCTYPE html>
<html>
    <head>
        <!--metadata-->
    </head>
    <body>
        <!--elements displayed-->
    </body>
</html>
```

- It is not a tag, but it is an information to the browser about what document type to expect; all HTML documents must start with this declaration

The structure of an HTML file

```
<!DOCTYPE html>
<html>
    <head>
        <!--metadata-->
    </head>
    <body>
        <!--elements displayed-->
    </body>
</html>
```

- It is the root tag: it contains all the other tags

The structure of an HTML file

```
<!DOCTYPE html>
<html>
    <head>
        <!--metadata-->
    </head>
    <body>
        <!--elements displayed-->
    </body>
</html>
```

- It contains metadata, information about the page; metadata will not be displayed on the page

The structure of an HTML file

```
<!DOCTYPE html>
<html>
    <head>
        <!--metadata-->
    </head>
    <body>
        <!--elements displayed-->
    </body>
</html>
```

- It contains elements that will be displayed on the page

Meta tags

Tag name	Description	Example
title	It defines a title for the document	<title>My first page</title>
meta description	It describes the content of the document	<meta name="description" content="this is a simple HTML page">
meta keywords	It contains the keywords of the document for the search engine website	<meta name="keywords" content="HTML">
meta author	It defines the author for the document	<meta name="author" content="Luigi">

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Second example</title>
        <meta name="author" content="Luigi">
        <meta name="description" content="this HTML page is a simple example">
        <meta name="keywords" content="metadata, HTML, meta tag">
    </head>
    <body>
        <!--content-->
    </body>
</html>
```

Individual work

- Create a folder and name it as <u>HTML – (today's date)</u>

- Create an HTML page and save it in the folder as <u>index.html</u>

- Use meta tags and comment each line