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Basic HTML	2
Tags.....	2
Setting up HTML document.....	2
Creating the document	2
The HTML Codes.....	2
The head.....	2
The body.....	3
CSS	4
Codes	4
Different types of writing CSS	4
How to set up a menu	5
The HTML parts	5
The CSS parts	5

Tutorial on how to set up a basic site using HTML and CSS

Basic HTML

Tags

HTML is a code language, it is used to make websites. Content in HTML is in tags, this is a tag:

```
<h1>This is a example</h1>
```

It has an opening `<h1>`, content "This is an example", and an ending `</h1>`.

This is the Header tag. We will get back to it later in the tutorial.

Setting up HTML document

If you do not have a HTML editing program you will have to install this. I use Microsoft's Virtual Studio Code.

Creating the document

1. Open Virtual Studio Code or your specific program
2. Before typing anything, you should save it as a HTML file. Save the file in a folder on your computer. This will make the program recognize that the document is a HTML document and it will help you to write easier, this is the reason we use a HTML editing program.

The HTML Codes

1. Write this standard HTML layout. It contains the essential parts of the HTML document, you will need this for it to work.

```
<!DOCTYPE html>
<html>
  <head>
  </head>

  <body>
  </body>
</html>
```

2. In HTML documents you have the sections **head** and **body**. No text content inside of **head** is shown in the HTML documents. But you can make the text look different with CSS elements. The **body** section is for content and text, what is being displayed on your website.
3. Now you can experiment with different tags. Here are some of the most useful ones.

The head

Title is making the title of the website.



```
<!DOCTYPE html>
<html>
  <head>
    <title>Facebook</title>

  </head>
```

Linking *stylesheet* links your stylesheet document to your HTML document. We will get back to stylesheets later.

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" type="text/css" href="stylesheet.css">
  </head>
```

Changing the **Background color**

```
<!DOCTYPE html>
<html>
  <head>
    <body style="background-color:grey;"></body>
  </head>
```

The body

Header is a text element. Header is for bigger texts just like a “Header” should have. There are six levels of header types. The higher number the smaller it is, this is shown in the picture below.

<pre><body> <h1>This is my new website</h1> </body></pre>	Header 1 Header 2 Header 3 Header 4 Header 5 Header 6	<pre><h1>Header 1</h1> <h2>Header 2</h2> <h3>Header 3</h3> <h4>Header 4</h4> <h5>Header 5</h5> <h6>Header 6</h6></pre>
---	---	--

Paragraph is also a text element. This is simply just text.

```
<body>
  <p>This is a paragraph element</p>
</body>
```

Inserting an **Image**

The **src=""** inserts the picture from your website folder where you should have all the files you want on your website.

```
<body>
  
</body>
```

Inserting a Video

```
<body>
  <video width="400" controls>
    <source src="my_video.mp4" type="video/mp4">
  </video>
</body>
```

Here is all the code together

```
<!DOCTYPE html>
<html>
  <head>
    <title>New Website</title>
    <link rel="stylesheet" type="text/css" href="stylesheet.css">
  </head>

  <body>
    <h1>This is my new website</h1>

    <p>This is a paragraph element</p>
    

    <video width="400" controls>
      <source src="my_video.mp4" type="video/mp4">
    </video>
  </body>
</html>
```

CSS

Codes

CSS is a type of code that makes your HTML codes look nice on the actual website.

Here is an example:

```
<h1>This is a example</h1>
```

This HTML code without any CSS code, would look like this:

This is a example

But if you add some CSS code to it, you can make it a color.

```
<h1 style="color: red;">This is a example</h1>
```

This is a example

Different types of writing CSS

There are three types of writing CSS. Its inline (shown in the example), internal and external.

Inline is when the CSS code is inside the actual tag.

Internal CSS is when the code is in the *head* section of the HTML document.

External is when the CSS code is in its own separate document.

How to set up a menu

The HTML parts

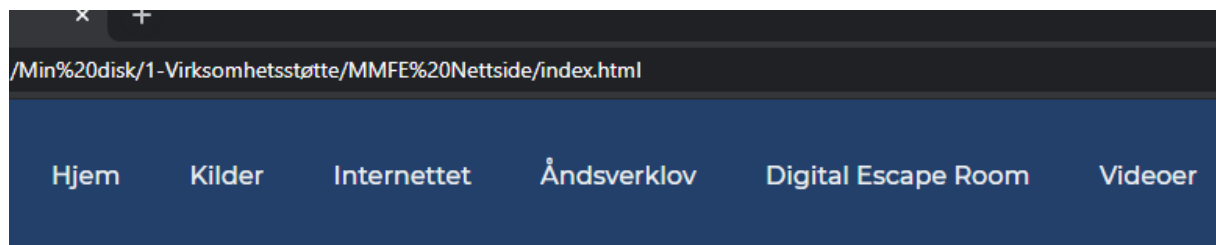
To make a menu you start with the HTML (the actual displaying text).

```
<!DOCTYPE html>
<html>
<head>
  <title>Martin's Website Test</title>
</head>
<body>
  <div class="topnav">
    <a class="active" href="#home">Home</a>
    <a href="#news">News</a>
    <a href="#contact">Contact</a>
    <a href="#about">About</a>
  </div>
</body>
</html>
```

The CSS parts

To make the menu look good you will need to add some CSS code to your website.

This is going to be our result after we have put in the CSS codes.



Here are the CSS codes used for this menu bar

```
li, a, button {
  font-family: "Montserrat", sans-serif;
  font-weight: 500;
  font-size: 16px;
  color: #edf0f1;
  text-decoration: none;
}

header {
  background-image: linear-gradient(to right, #23406B, #23406B);
  display: flex;
  justify-content: flex-start;
  align-items: center;
  padding: 30px 10%;
}

.nav_links {
  list-style: none;
```

```
}  
  
.nav_links li {  
  display: inline;  
  padding: 0px 20px;  
}
```