

Tutorial

How to set up a basic site using HTML and CSS.

HOW TO SET UP AN HTML-DOCUMENT

- Open up your text application (**Notepad, TextEdit or Brackets, etc**)
- First thing is that it is important to save the file as Index.html (Index because it's the basic to use on your site and html since its a html-document.)
- Tags you like have in your HTML-document are:
 - **<!DOCTYPE html>** (To say to the computer that this is a html-document.)
 - **<html> </html>** (To show where in the programming in html starts and ends)
 - **<meta charset="UTF-8">** (For you to use "æøå" on your site)
 - **<title> </title>** (To give your site a name in the searchbar.)
 - **<head> </head>** (If you put the CSS in the HTML-document you put it in the head-tag)
 - **<body> </body>** (Things you like to have on your site visible like heading or paragraph)
 - **<h1> </h1>** (You can change the number from 1-7 in this tag, the number just change the size of the letters)
 - **<table> </table>** (If You want a table you use this, just remember to put inn some column with **<tr> </tr>** and **<td> </td>** and write what you want to have inn your table.) Like this:

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```
<table style="width:100%">
<tr>
<th>Arbeidsoppgave</th>
<th>Hvordan løste du?</th>
<th>Utfordringer?</th>
<th>Alternativer?</th>
<th>Dokumentere på en annen måte?</th>
</tr>
<tr>
<td></td>
<td>Smith</td>
<td>50</td>
<td>50</td>
<td>Filme det som du gjør og levere filmen inn (Trenger ikke være lang)</td>
</tr>
<tr>
<td>Eve</td>
<td>Jackson</td>
<td>94</td>
<td>94</td>
<td>Ta bilder av det du har gjort og levere det inn i et word dokument med bildetekst</td>
</tr>
</table>
```

— Datamaskin (If you want a button to another html-document you could use this. You just have to write in your own way to your html-document to get the link to work. There it stands “Datamaskin” You write in the name you want to call the button.

- It is pretty easy to set up a basic html-document. W3schools.com and some exercise sites or apps are good to learn some coding. A basic site can look something like this in coding:

```
1 <!DOCTYPE html>
2
3 <html>
4
5 <head>
6 <style>
7 {
8   background-color: #8FDFD7;
9   border: none;
10  color: black;
11  padding: 15px 32px;
12  text-align: center;
13  text-decoration: none;
14  display: inline-block;
15  font-size: 16px;
16  margin: 4px 2px;
17  cursor: pointer;
18 }
19 </style>
20 <meta charset="UTF-8">
21
22 <title>Index</title>
23
24 </head>
25
26
27
28
29 <body style="background-color:lightpink;">
30
31 <h1>Samling av nettsider</h1>
32
33 <h2>Øyvind sine timer</h2>
34
35 <a href="Server vs PC.html" class="button">Server vs PC</a>
36
37 <a href="file:///Users/frida/Documents/Vg2/Drift%20og%20vedlikehold/Nettside/Heihei.html" class="button">Datamaskin</a>
38
39 <h2>Frode sine timer</h2>
40
41 <h3>YFF</h3>
42
43 <a href="file:///Users/frida/Documents/Vg2/Bruker-%20og%20driftsst%C3%B8tte/Tiltaksplan.html" class="button">Arbeidsoppgaver</a>
44
45 <a href="file:///Users/frida/Documents/Vg2/Bruker-%20og%20driftsst%C3%B8tte/Tiltaksplan.html" class="button">Tiltak</a>
46
47 </body>
48 </html>
```

- There are some CSS in the html-document in the head-tag, in the tag <Style> </style> the style includes what color the background on the buttons are going to be in, the

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size of the site, the **text-align** and more. We also put the tag for "æøå" and the tag for **title** of the site are in the **head-tag**.

- The **body-tag** in the html-document are stuffed with **style** on the background-color just to show that you can set style in the middle of the html-coding. The body-tag also contains some buttons to other documents that I have linked it to this html-document. There are also some **headings** with different sizes. You just have to take in the tag and change the middle text there it is **black** and write your heading.
- Every tag you make you have to finish. Like **<html>** that is a starting tag and when you are done with the document you end it with the **</html>** tag.

How to insert background color, photo, video and text

Background color

There are many ways to set in a background color, and I am going to show you the easiest to learn.

The way is as simple as putting the background color in the body-tag. Like this:

```
<body style="background-color:lightpink;">
```

You can change the color by changing it where the **color stands**, here it is **light pink**, and you can change it to pretty much every color you want. If you want to be more specific you can use a site that is called **colors.co** there is a **color generator** that matches colors that fit together like **RGB**. When you use that site you just write in the tag that is under the color and put it in the color place in your **tag**.

Photo

A way to put in a photo is to just put it in the body-tag where you want it to be with this tag:

```

```

You find the jpg name on the photo and write it in the first **yellow** place, then you write what you saved the photo as in the second **yellow** place.

Video

You put in a video by using this **tag**:

```
<video width="320" height="240" controls>  
  <source src="movie.mp4" type="video/mp4">  
</video>
```

By just editing your video inn with first the saved name on your video like for example a .mp4 file, that you change in the first yellow place. Then you have to tell the computer what

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type of thing you are putting in, with writing it like "video/mp4" like you see in the tag over.
Remember to change it if you are not using an mp4 video.

Then on the line over you can change the size of the video and with just change the numbers.

Text

If you want an **heading** to your paragraph you can use this tag:

```
<h1>vrrvr </h1>
```

Then you just write in your heading in the middle where it is yellow.

If you want a **paragraph** on your site, you can use this tag:

```
<p>vrrvr </p>
```

And write in the middle as much as you want, You just have to change the yellow spot with the info you want.

How to set up a menu

```
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

This is a method to make a **menu** you just write what you want to have in your menu where it is written Coffee, tea and milk. You can also make a menu that pops up when you **click** on a **button** like this:

```
<div class="navbar">
  <div class="dropdown">
    <button class="dropbtn">Dropdown
      <i class="fa fa-caret-down"></i>
    </button>
    <div class="dropdown-content">
      <div class="header">
        <h2>Mega Menu</h2>
      </div>
      <div class="row">
        <div class="column">
          <h3>Category 1</h3>
          <a href="#">Link 1</a>
          <a href="#">Link 2</a>
          <a href="#">Link 3</a>
        </div>
        <div class="column">
          <h3>Category 2</h3>
          <a href="#">Link 1</a>
        </div>
      </div>
    </div>
  </div>
</div>
```

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```
<a href="#">Link 2</a>
<a href="#">Link 3</a>
</div>
<div class="column">
  <h3>Category 3</h3>
  <a href="#">Link 1</a>
  <a href="#">Link 2</a>
  <a href="#">Link 3</a>
</div>
</div>
</div>
</div>
</div>
```

Here you have 3 category's. You just have to add your sites to the # behind every href-tag to connect it to this menu, and you can change the names on the sites by writing something else than link 1 or category 3. The div class-tags you don't need to worry about, it just for the style or you can read about it on [w3schools.com](https://www.w3schools.com).

How CSS works

CSS is a way to style your site. There are three ways to do that:

- External CSS (link form a CSS-document to your html-document that you link in the head-tag.
- Internal CSS (You write it in the body-tag.)
- Inline CSS (You write it in the paragraph-tag or the heading-tag, like you just have one specific style to one of the tags.

The cleanest way to do it is to make an external CSS. Then you don't have all the style-tags on your html-document, and you have much better overview. If you don't have much CSS you would like to have in your html-document you could just use internal CSS or inline CSS.

Important things to remember:

- Look for copyright photos or videos, you can only use those who are no copyright on.
- Look if you can use it if you credit the creator or something else
- [W3schools.com](https://www.w3schools.com) is a very useful site that have lots of things that are useful to you.
- Exercise on your coding to become good at it or to understand it better.
- Exercise on your mobile or on your computer.
- Apps on mobile to exercise on are: Mimo and Sololearn.
- Sites to exercise on your computer are: [codecademy.com](https://www.codecademy.com) and [freecodecamp.org](https://www.freecodecamp.org).