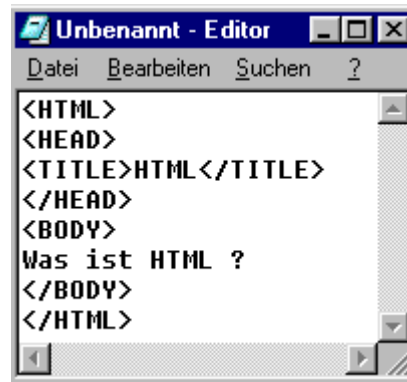


Was ist HTML?

→HTML (HyperText Markup Language) ist eine plattformunabhängige Dokumentbeschreibungssprache, in der Webseiten geschrieben sind.



```
<HTML>
<HEAD>
<TITLE>HTML</TITLE>
</HEAD>
<BODY>
Was ist HTML ?
</BODY>
</HTML>
```

Was soll ich von HTML lernen?

1. HTML Tags

Pfade

Navigation und Links

Forms

2. CSS

Farbe

Struktur

3. JavaScript/Jquery

(wäre schön zu haben)

1- HTML Tags

- **1.1 – Headings**

```
<!DOCTYPE html>
<html>
<body>
  <h1>This is heading h1</h1>
  <h2>This is heading h2</h2>
  <h3>This is heading h3</h3>
</body>
</html>
```

- **1.2 – Paragraphs**

```
<!DOCTYPE html>
<html>
<body>
  <p>This is a Paragraph</p>
  <p>This is another
  Paragraph</p>
</body>
</html>
```

- **1.3 – Links**

```
<!DOCTYPE html>
<html>
<body>
  <a href="https://github.com/fejao/RoR-
  Leipzig">This is a link example</a>
</body>
</html>
```

- **1.4 – Images**

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

1- HTML Tags

- **1.5 – Titles**

```
<!DOCTYPE html>
<html>
<body>
  <p title="I'm a tooltip">
    This is a paragraph with title.
  </p>
</body>
</html>
```

- **1.6 – Sizes**

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

- **1.7 – Alt**

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

- **1.8 – Header**

```
<!DOCTYPE html>
<html>
<head>
  <title> This is the page Title example </title>
</head>
<body>
  <p> Here will be the page </p>
</body>
</html>
```

1- HTML Tags

- **1.9 – Background**

```
<!DOCTYPE html>
<html>
<body style="background-
color:powderblue;">
  <h1>This is a heading</h1>
  <p>This is a paragraph.</p>
</body>
</html>
```

- **1.10 – Text**

- **Color**

```
<h3 style="color:red;">I am red</h3>
```

- **Size**

```
<p style="font-size:160%;">This is a
paragraph.</p>
```

- **Type**

```
<p style="font-family:courier;">This is a
paragraph.</p>
```

- **Aligment**

```
<h1 style="text-align:center;">Centered
Heading</h1>
```

- **1.11 – Formatting**

- **Bold**

```
<b>Bold text</b>
```

- **Strong**

```
<strong>Important text</strong>
```

- **Italic**

```
<i>Italic text</i>
```

- **Emphasized**

```
<em>Emphasized text</em>
```

- **Marked**

```
<mark>Marked text</mark>
```

- **Small Text**

```
<small>Small text</small>
```

- **Deleted Text**

```
<del>Deleted text</del>
```

- **Inserted Text**

```
<ins>Inserted text</ins>
```

- **Subscript Text**

```
<sub>Subscript text</sub>
```

- **Superscript Text**

```
<sup>Superscript text</sup>
```

1- HTML Tags

- **1.12 – Computer Code**

```
<!DOCTYPE html>
<html>
<body>
  <code>
    var x = 5;
    var y = 6;
    document.getElementById("demo").innerHT
    ML = x + y;
  </code>
</body>
</html>
```

- **1.13 – Variables**

```
<!DOCTYPE html>
<html>
<body>
  Einstein wrote:
  <var>E</var> =
  <var>m</var><var>c</var><sup>2</sup>.
</body>
</html>
```

- **1.14 – Comments**

```
<!DOCTYPE html>
<html>
<body>
```

`<!-- This is a comment -->`

This is the minimal expected from a HTML page

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

1- HTML Tags

- 1.15 – List Unordered

- Normal

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

- Disc

```
<ul style="list-style-type:disc">  
  <li>Coffee</li>  
  <li>Tea</li>  
</ul>
```

- Circle

```
<ul style="list-style-type:circle">  
  <li>Coffee</li>  
  <li>Tea</li>  
</ul>
```

- Square

```
<ul style="list-style-type:square">  
  <li>Coffee</li>  
  <li>Tea</li>  
</ul>
```

- None

```
<ul style="list-style-type:none">  
  <li>Coffee</li>  
  <li>Tea</li>  
</ul>
```

1- HTML Tags

- 1.16 – List Ordered

- Normal

```
<ol>  
  <li>Coffee</li>  
  <li>Tea</li>  
</ol>
```

- Numbers

```
<ol type=1>  
  <li>Coffee</li>  
  <li>Tea</li>  
</ol>
```

- Uppercase Letters

```
<ol type=A>  
  <li>Coffee</li>  
  <li>Tea</li>  
</ol>
```

- Lowercase Letters

```
<ol type=a>  
  <li>Coffee</li>  
  <li>Tea</li>  
</ol>
```

- Uppercase Roman

```
<ol type=I>  
  <li>Coffee</li>  
  <li>Tea</li>  
</ol>
```

- Lowercase Roman

```
<ol type=i>  
  <li>Coffee</li>  
  <li>Tea</li>  
</ol>
```


1- HTML Tags

- **1.17 Blocks**

- **Divs**

- ```
<!DOCTYPE html>
```

- ```
<html>
```

- ```
<body>
```

- ```
<div style="background-color:black;color:white;padding:20px;">
```

- ```
<h2>London</h2>
```

- ```
<p>
```

- ```
London is the capital city of England.</p>
```

- ```
</div>
```

- ```
<div style="background-color:yellow;color:red;padding:100px;">
```

- ```
<h2>Berlin</h2>
```

- ```
<p>
```

- ```
Berlin is the capital city of Germany.
```

- ```
</p>
```

- ```
</div>
```

- ```
</body>
```

- ```
</html>
```

1- HTML Tags

- **1.17 Blocks**

- **Span**

```
<!DOCTYPE html>
<html>
<body>
  <h1>My 
```

- **1.18 Classes**

```
<!DOCTYPE html>
<html>
<body>
<div class="cities">
  <h1>Cities</h1>
  <h2>London</h2>
  <p>London is the capital of England. </p>
</div>
</body> </html>
```



1- HTML Tags

- **1.19 Forms**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<form>
```

First name:

```
<input type="text" name="firstname">
```

```
<br>
```

Last name:

```
<input type="text" name="lastname">
```

```
</form>
```

```
</body>
```

```
</html>
```

1- HTML Tags

- 1.20 What should be avoided
 - iFrames: http://www.w3schools.com/jsref/dom_obj_frame.asp

```
<iframe scr="http://www.google.com"></iframe>
```

- Tables : http://www.w3schools.com/tags/tag_table.asp

```
<table>
<tr>
  <th>Month</th>
  <th>Savings</th>
</tr>
<tr>
  <td>January</td>
  <td>$100</td>
</tr>
</table>
```

2- CSS

- **2.1 Inline**

```
<!DOCTYPE html>
<html>
<head>
  <style>
    body{
      background-color: powderblue;
    }
    h1{
      color: blue;
    }
    p{
      color: red;
    }
  </style>
</head>
<body>
  <h1>This is a heading</h1>
  <p>This is a paragraph.</p>
</body>
</html>
```

2- CSS

- 2.2 From File

- File *index.html*

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="my_css.css">
</head>
<body>
  <h1>This is a heading</h1>
  <p>This is a paragraph.</p>
</body>
</html>
```

- File *my_css.css*

```
body {
  background-color: powderblue;
}
h1 {
  color: blue;
}
p {
  color: red;
}
```



3- JavaScript

- **3.1 Example 1: Date**

```
<!DOCTYPE html>
<html>
<body>
  <h1>My First JavaScript Date Example</h1>
  <button type="button" onclick="document.getElementById('demo').innerHTML = Date()">
    Click me to display Date and Time.
  </button>
  <p id="demo"></p>
</body> </html>
```

- **3.1 Example 2: Alert**

```
<!DOCTYPE html>
<html>
<body>
  <h1>JavaScript Alert Example</h1>
  <button type="button" onclick="myAlert();" >Alert </button>
  <script>
    function myAlert(){
      alert('Hello! I am an alert box!!!')
    }
  </script>
</body>
</html>
```

Extras

- HTML5
 - Camera
 - https://fejao.github.io/RoR-Leipzig/01_HTML_Presentation/Pages/HTML5/camera/stream.html
 - https://fejao.github.io/RoR-Leipzig/01_HTML_Presentation/Pages/HTML5/camera/snapshot.html
 - Games
 - https://fejao.github.io/RoR-Leipzig/01_HTML_Presentation/Pages/HTML5/games/game_1/index.html
 - https://fejao.github.io/RoR-Leipzig/01_HTML_Presentation/Pages/HTML5/games/game_2/index.html
 - <http://missile-game.bwhmather.com/>
- WebGL
 - Camera
 - https://fejao.github.io/RoR-Leipzig/01_HTML_Presentation/Pages/WebGL/index.html

Links

- My WebPage with all
 - <https://fejao.github.io/RoR-Leipzig/>
- HTML course
 - <http://www.jgiesen.de/javascript/HTML/index.htm>
- Good site to get all information about HTML
 - <http://www.w3schools.com/>