Experiment # 06

**Introduction to HTML**

**Objective**

* 1. Learning about HTML
  2. Work on basic functions of HTML
  3. Create profile

**Theory**

Hypertext Markup Language (HTML) is the standard markup language for creating [web pages](https://en.wikipedia.org/wiki/Web_page) and [web applications](https://en.wikipedia.org/wiki/Web_application). HTML is a format that tells a computer how to display a web page. The documents themselves are plain text files with special "tags" or codes that a web browser uses to interpret and display information on your computer screen.

* HTML stands for Hyper Text Markup Language
* An HTML file is a text file containing small markup tags
* The markup tags tell the Web browser how to display the page
* An HTML file must have an htm or html file extension

**Basic Function of HTML:**

**HTML Heading:**

HTML headings are defined with the **<h>**.

The HTML heading attributes has the following Syntax:

<html>

<body>

<h1>This is heading 1</h1>

<h2>This is heading 2</h2>

<h3>This is heading 3</h3>

<h4>This is heading 4</h4>

<h5>This is heading 5</h5>

<h6>This is heading 6</h6>

</body>

</html>

**HTML Paragraph:**

HTML paragraphs are defined with the **<p>** tag.

The HTML Paragraph attributes has following syntax:

<html>

<body>

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

<p>This is another paragraph.</p>

</body>

</html>

**HTML Links:**

HTML links are hyperlinks.

You can click on a link and jump to another document.

The HTML Links attributes has following syntax:

In HTML, links are defined with the **<a>** tag.

<html>

<body>

<h2>HTML Links</h2>

<p><a href="https://www.w3schools.com/html/">Visit our HTML tutorial</a></p>

</body>

</html>

**HTML Colors:**

HTML colors are specified using predefined color names, or RGB, HEX, HSL, RGBA, HSLA values.

<h1 style="background-color:DodgerBlue;">Hello World</h1>

<p style="background-color:Tomato;">

Lorem ipsumdolor sitamet, consectetueradipiscingelit, seddia mnonummyni bheuismodtinciduntutlaoreetdolore magna aliquameratvolutpat.

Utwisienim ad minim veniam, quisnostrudexercitationullamcorpersuscipitlobortisnislutaliquip ex eacommodoconsequat.

</p>

</body>

</html>

**HTML Styles:**

Setting the style of an HTML element, can be done with the **style attribute**.

The HTML style attribute has the following **syntax**:

<html>

<body>

<p>I am normal</p>

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

<p style="color:blue;">I am blue</p>

<p style="font-size:36px;">I am big</p>

</body>

</html>

**HTML Quotations:**

The HTML **<q>** element defines a short quotation.

<html>

<body>

<p>Browsers usually insert quotation marks around the q element.</p>

<p>WWF's goal is to: <q>Build a future where people live in harmony with nature.</q></p>

</body>

</html>

**HTML Images:**

In HTML, images are defined with the **<img>** tag.

<html>

<body>

<img src="pulpitrock.jpg" alt="Mountain View" width="500" height="377">

</body>

</html>

**Lab Tasks**

Make a webpage about you (personal profile) using all the html tags you have learned in this lab.

**Conclusion**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**