**Assignment 4**

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**Internent Applications**

**LIB2024\_010**

**Title: Basic HTML / CSS**

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**INTRODUCTION**

**Temperature converter**

I designed my temperature converter page using HTML5, CSS, and JavaScripts was imbedded into my html. Different tags/elements were incorporated to have a fancy page, with a red background. It is becoming easy for me to determine wish tag or elements are needed for this project. I to use as much needed tags and elements as needed in this assignment. Thou, I did not do a perfect work, but I hope it looks presentable.

I tried so many functions in writing my scripts, like the click on button, Java div, Java image function, the document.getElementById("demo") function, the transition function within a time frame, and more of other tags and functions. I was able to use more tags and elements in writing my styles using CSS. My website shows different types of modern design. I have the thermometer image. I have a hover text style that is hidden, and its colour is blue when clicked on. Some other attribute can be seen on my site.

**List of elements and tricks used are:**

Combination of HTML5/CSS page has some elements that start with an open tag, some content (paragraphs, body) and the closed tags.

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| **Tags**/Elements | **Description** |
| <Doctype >  <html> </html> | Is the open tag, that shows it is html document   tags are written in angle brackets  The <html> element is use to give information to the browsers that it is an HTML document. |
| <html lang="en"> | Tell the site to use English |
| <head> | Are used as titles or subtitles depending on how to want it displayed on a webpage |
| <title> | Is use to define your page. Indicates the title of the document. |
| <meta charset="utf-8"> | Is used as English language identification with html document |
| <meta property="og:description" content | This is an example page to demonstrate usage of metadata on web pages. |
| <body> | Is used for the body |
| [<h1>-<h5>](https://www.w3docs.com/learn-html/html-h1-h6-tags.html), | h1-h5 are used in defining html headings according to importance tags. |
| <img> | Is used to import image to web page |
| <p> </p> | The first tag in a pair called the start (opening) tag, and the second tag is the end (closing) tag.  Are used for paragraph |
| <div> | block-level element defines a paragraph in a document |
| <br/> | To make a break. The empty elements have no closing tags. |
| <nav> | Is use for navigation to links, either within the current document or to other documents. |
| <href> | Is use for reference links |
| </header> | Defines a header of a page or a section |
| <! -- comment --> | To give room for viewers comment |
| [<img/>](https://www.w3docs.com/learn-html/html-img-tag.html)) | Used to identify an image. |
| <a>, href | <a> tag creates a link, the address of which is defined in the href attribute. |
| **Tag  CSS** | **Description** |
| . html {  background-color: red;  font-size: 20px;  }  ul {  background: red;  padding: 10px;  border: 1px solid black;  }  body,  html {  margin: 0;  font-family: times new roman;  } | All this are attribute to html body |
| .hide {  display: none;  }  .myDIV:hover + .hide {  display: block;  color: blue;  } | All this are attribute hover text colour |
| /\* Create two equal columns that floats next to each other \*/  .column {  float: left;  width: 50%;  padding: 10px;  height: 300px; /\* Should be removed. Only for demonstration \*/  }  /\* Clear floats after the columns \*/  .row:after {  content: "";  display: table;  clear: both;  } | This is attributed to page break into column |
| .hide {  display: none;  }  img.a {  width: 200px;  height: 400px;  object-fit: none;  object-position: right top;  border: 5px solid red;  } | These are attribute to thermometer image |

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| Tags used in JavaScripts |  |
| function myFunction() {  let x = document.getElementById("demo");  x.style.fontSize = "20px";  x.style.color = "white";  } | This gives my script color and effect |
| \*/  document.getElementById("myH").innerHTML = "Comments";  document.getElementById("myP").innerHTML = ""; | This is used for comments |

**Block Design**

Using a block element is used to starts on a new line, and asked to add some space/ a margin before and after the element. <p> /<div>

Block design element takes up the full width available, but I used<div> to divide the paragraph. I have 2- columns in my page that shows how Celsius is converted into Faherient and vice-versa <doctype html>. Below are the head, body and the closing </html>. The Scripts and the CSS style are linked to each other in the Html page.

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**Conclusion**

Assignment 4 was easy for me. Each section/function needs to check for errors whenever I add another function or attribute. I could not use Java automatic date with my click on button for my name. Also, when I try to divide my page, it keeps going on my image expansion, but I was able to resize my image with your help. But I was able to learn how to use transition function with text format and colour.

**Reference**s

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