11.1 Lesson Summary - 11.1 Intro To HTML

The Internet lets you share your data with the world and it offers you access to a world's worth of data. Webpages use HTML, CSS, and JavaScript to generate aesthetically pleasing, human readable data. HTML is the primary tool used to define the content of a webpage.

Concept: Your browser displays web content after a web server sends data in response to the browser's request. Much of the data takes the form of text-based HTML, JavaScript, and CSS files. The **JavaScript** data is code that runs on your browser providing you with a more interactive, dynamic experience. Hypertext Markup Language (**HTML**) data describes the all the visual components of your webpage. Cascading Style Sheets (**CSS**) data indicates how the HTML elements should be visually styled.

* Activity: 01-Stu\_InspectLastActivity

Concept: As a markup language HTML utilizes many different kinds of tags to contain the data in a webpage and describe how it should be displayed. The following are some important HTML tags:

*<!DOCTYPE html>* tells the browser which version of HTML is used

*<html>* is the root element of the HTML document

*<head>* provides general info about the document

*<meta charset-"utf-8">* describes the character encoding of the document

*<title>* defines the title of the document that will be displayed in the browser's title bar

*<body>* encapsulates the contents of the HTML document, most HTML goes here

*<p>* defines a paragraph, usually used for displaying text

*<div>* a general use container for other HTML elements

*<h1>* defines a large print heading

*<ol>* defines an ordered list

*<ul>* defines an unordered list

*<li>* defines a list item

You could combine these tags together to make a simple webpage:

*<!DOCTYPE html>*

*<html lang="en">*

*<head>*

*<meta charset="UTF-8">*

*<title>Hello World Example Webpage</title>*

*</head>*

*<body>*

*<p>Hello World</p>*

*</body>*

*</html>*

* Activity: 02-Stu\_Research\_HTML\_Tags, 03-Ins\_HTML\_Tags, 04-Stu\_MyFirst\_HTML
* Suppl link: <https://www.w3schools.com/tags/>

Concept: All modern browsers offer a set of DevTools to display and debug the HTML, JavaScript, and CSS contents of a webpage.

Concept: Tables can be created in HTML using the following tags:

*<table>* defines the container for the table

*<tr>* defines a row of a table

*<th>* defines a table header

*<td>* defines a table cell

*<thead>* is a row like container for the table headers

*<tbody>* is a container for all table data not part of the header

* Activity: 06-Stu\_WorkingWithTables
* Suppl link: <https://www.w3schools.com/html/html_tables.asp>

Concept: You can add images to your webpage using the *<img>* tag and you can add links using the *<a>* anchor tag. For example:

*<img src="hello.jpg" alt="Hello">*

*<a href="https://www.google.com">*

* Activity: 07-Stu\_ImageAndLinks