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| **Course Code and Title: *INTRODUCTION TO COMPUTING (ITE 100)*** |
| **Lesson Number: Lesson 15 (Week 16)** |
| **Topic: Basic HTML** |
| **Introduction:**  In this course, the students will be taught to create their Web pages using a text editor such as Notepad. |
| **Learning Objectives:**  At the end of the lesson, you should be able to:   * Define HTML * Discuss Basic Pattern for HTML tags * Identify the use of heading and paragraph tags. |
| **Pre-Assessment:**  **Multiple Choice:** Choose the letter of the best answer. Write your answer on the sheet provided. (2 pts. each)   * 1. <body> Is this an opening tag or a closing tag?      1. Opening Tag B. Closing Tag   2. What does HTML stand for?      + 1. Hypertext Machine Language        2. Hypertext and links markup language        3. Hypertext Markup Language        4. Highest machine Language   3. Where is the text of the title tag displayed?      + 1. At the top of your Webpage        2. On the browser page, but not the web page        3. Both on the browser and on the web page itself        4. Only in the code, it doesn't display in the browser at all.   4. How is document type initialized in HTML 5?      + 1. </DOCTYPE HTML> C. </DOCTYPE>        2. <!DOCTYPE HTML> D. </DOCTYPE html>   5. Which of the following HTML Elements is used for making any text Bold?      + 1. <p> B. <i> C.<li> D. <b> |
| **Lesson Presentation:**  HTML or HyperText Markup Language consists of commands called **tags** used to markup the plain text in your text editor Notepad so that the browser can read them as a Webpage. HTML also allows you to connect one Webpage to another through hyperlinks, which are underlined in blue. When you click a link (a shorter-term for hyperlink), it leads you to another site or page. Links are verified by HTTP or hypertext transfer protocol, the standard procedure used to transmit files over the WEB.  The basic pattern for most of the HTML commands  <tag> content </tag>  <tag> is the opening tag; content is the plain text or image; and </tag> is the closing tag.  On the other hand, there are stand-alone tags called empty tags in HTML, which do not need opening and closing tags. They do not contain written or illustrated contents.  All tags need to be in lowercase because HTML is a case sensitive application (it interprets <TAG /> and <tag/> differently).    **Document Type Declaration**  The very first line in every web document should contain a <!DOCTYPE html> declaration. Even though it's wrapped in angle brackets, it is not a tag but a **statement**.  Doctype stands for **Document Type Declaration**. It informs the web browser about the type and version of HTML used in building the web document. This helps the browser to handle and load it properly.  Video Presentation  HTML Tutorial for Beginners - 01 - Creating the first web page  [**https://youtu.be/-USAeFpVf\_A?list=PLr6-GrHUlVf\_ZNmuQSXdS197Oyr1L9sPB**](https://youtu.be/-USAeFpVf_A?list=PLr6-GrHUlVf_ZNmuQSXdS197Oyr1L9sPB)  **Heading**  HTML headings are titles or subtitles that you want to display on a webpage.    **Heading Are Important**  Search engines use the headings to index the structure and content of your web pages. Users often skim a page by its headings. It is important to use headings to show the document structure.  <h1> headings should be used for main headings, followed by <h2> headings, then the less important <h3>, and so on.  Note: Use HTML headings for headings only. Don't use headings to make text BIG or bold.  **Bigger Heading**  Each HTML heading has a default size. However, you can specify the size for any heading with the style attribute using the CSS font-size property:  <h1 style="font-size:60px;">Heading 1</h1>  When you make Web Pages, you'll need to use heading to catch the Web user's attention browsing your site. The heading is formatted big and bold because they need to "stand out" from the rest of the page's contents. They help the users figure out the different topics covered by your site.  Heading elements have opening <h3> and closing </h3> tags to enclose the topic or section title to be used. There are six level headings, and all except the first level <h1> can be employed over through the Html document. The first level heading should be your main or umbrella topic and other levels, only your subtopic so that the Web users will not be confused.  The <h4> heading usually displays the default font size (which 12pt) and in bold.  **Paragraph**  Heading may be used to introduce paragraph. The paragraph element tags are simply <p> and </p>. As much as possible, the paragraph must be kept short. Try typing the following in your Notepad and see what happens:  If you want to break the paragraph into three, enclose each sentence in paragraph tags. If you want words to be in boldface or italics, you can enclose them in these tags:  <b></b> for boldface and <i></i> for italics |
| **Synthesis:**  The tools for creating a Web Page are the text editor and the Web browser. The basic pattern for most HTML commands is <tag>content</tag>. The basic pattern for CSS commands is property: value. The DOCTYPE declaration is necessary for every Web Page. An HTML document's main elements are the following: Html, head, title, and body. |
| **Evaluation:**  **Multiple Choice: Choose the letter of the best answer.** Write your answer on the sheet provided**. (1 point each)**   * 1. What does HTML stand for?      + 1. Hypertext Machine Language        2. Hypertext and links markup language        3. Hypertext Markup Language        4. Highest machine Language   2. How is document type initialized in HTML 5?      + 1. </DOCTYPE HTML> C. </DOCTYPE>        2. <!DOCTYPE HTML> D. </DOCTYPE html>   3. Which of the following HML Elements is used for making any text Text Bold      + 1. <p> B. <i> C.<li> D. <b>   4. Which of the following characters indicate closing of a tag?      + 1. x B. / C. \ D. !   5. <body> Is this an opening tag or a closing tag?      + 1. Opening Tag B. Closing Tag   6. </body> is this an opening tag or a closing tag?      + 1. Opening Tag B. Closing Tag   7. What is the difference in an opening tag and a closing tag?      + 1. The closing tag has a/ in front B. There is no difference   8. Where do all items for the same web site need to be saved?      + 1. In the same folder C. Where ever is fine        2. In different folders D. None of the above   9. What is always a welcome page and explains the purpose or topic of the site?      + 1. Page 4 B. Homepage C. Table of Contents D. References   10. Where is the text of the title tag displayed?       + 1. At the top of your Webpage         2. On the browser page, but not the web page         3. Both on the browser and on the web page itself   Only in the code, it doesn't display in the browser at all. |
| **REINFORCEMENT:**  Create your first HTML document- Autobiography. |
| **ONLINE RESOURCES:**  Florida Valencia Ortiz, Emmanuel Kazanidis and Jaime D.L. Caro, Ph D (Web Design)  Website: w3schools.com;<https://www.w3schools.com/html/>  **HTML Tutorial for Beginners - 01 - Creating the first web page**  <https://youtu.be/-USAeFpVf_A?list=PLr6-GrHUlVf_ZNmuQSXdS197Oyr1L9sPB> |