



VIT®

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

BCSE203E: WEB PROGRAMMING

LAB ASSESSMENT – 1

Submission Rule:

1. Submit a single .html file
 2. The file must run correctly in a web browser
 3. No CSS or JavaScript required (HTML only)
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1. Design and code a semantic HTML webpage for a topic of your choice

Example

- Personal Portfolio,
- College Department Page,
- Travel Blog,
- Technology Article, or Online Magazine

Your webpage must include and demonstrate the following:

<p>1. HTML Structure & Coding Conventions</p> <p>Your HTML code must include:</p> <ul style="list-style-type: none">• <code><!DOCTYPE html></code>• <code><html>, <head>, <title>, <body></code>• Proper indentation and comments• Lowercase tag names and quoted attributes	<p>2. Block Elements</p> <p>Use at least three block-level elements, such as:</p> <ul style="list-style-type: none">• <code><div></code>• <code><section></code>• <code><article></code>
<p>3. Text Elements</p> <p>Include examples of:</p> <ul style="list-style-type: none">• Headings (<code><h1></code> to <code><h3></code>)• Paragraphs (<code><p></code>)• Emphasis (<code></code>, <code></code>)• Line breaks (<code>
</code>)• Horizontal rule <code><hr></code>• Superscript <code><sup></code>• Subscript <code><sub></code>• Bold <code></code>• Italic <code><i></code>	<p>4. Color Attributes (HTML Attributes)</p> <p>Demonstrate the use of color attributes using:</p> <ul style="list-style-type: none">• <code>bgcolor</code> attribute (for <code><body></code> or <code><table></code>)• <code>color</code> attribute (using inline styles or <code></code> tag for learning purpose) <p>Example:</p> <ul style="list-style-type: none">• Change background color of the page or table• Change text color of headings or paragraphs

<p>5. Character References</p> <p>Use at least three HTML character references, such as:</p> <ul style="list-style-type: none"> • &lt; • &gt; • &copy; • &amp; 	<p>6. Lists</p> <p>Include all of the following:</p> <ul style="list-style-type: none"> • Ordered list () • Unordered list () • Description list (<dl>)
<p>7. Images</p> <ul style="list-style-type: none"> • Insert at least one image using the tag, image caption • Include src, alt, width, or height attributes • Image should be relevant to the webpage content 	<p>8. Tables</p> <p>Create a table using:</p> <ul style="list-style-type: none"> • <table> • <tr>, <th>, <td> • Apply a background color to the table or rows using color attributes
<p>9. Navigation and Links</p> <ul style="list-style-type: none"> • Create a navigation menu using: <ul style="list-style-type: none"> ◦ <nav> ◦ <a> • Include at least: <ul style="list-style-type: none"> ◦ One internal link ◦ One external link 	<p>10. Header and Footer</p> <ul style="list-style-type: none"> • Use <header> to introduce the page or a section • Use <footer> to include copyright information, author name, or contact details
<p>11. Frameset (Learning Purpose)</p> <p>Create a separate HTML file demonstrating:</p> <ul style="list-style-type: none"> • <frameset> • <frame> <p>Note: Frameset is deprecated and included only for learning.</p>	<p>12. Iframe</p> <ul style="list-style-type: none"> • Embed another webpage or video using: <ul style="list-style-type: none"> ◦ <iframe>
<p>13. Code-Related Elements</p> <p>Demonstrate:</p> <ul style="list-style-type: none"> • <code> (inline code) • <pre> (block code) <p><kbd> or <samp></p>	<p>14. Semantic Sectioning Elements</p> <p>Use the following elements appropriately:</p> <ul style="list-style-type: none"> • <section> • <article> • <aside>