



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)

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:

1. HTML Structure & Coding Conventions Your HTML code must include: <ul style="list-style-type: none">• <code><!DOCTYPE html></code>• <code><html></code>, <code><head></code>, <code><title></code>, <code><body></code>• Proper indentation and comments• Lowercase tag names and quoted attributes	2. Block Elements Use at least three block-level elements , such as: <ul style="list-style-type: none">• <code><div></code>• <code><section></code>• <code><article></code>
3. Text Elements Include examples of: <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>	4. Color Attributes (HTML Attributes) Demonstrate the use of color attributes using: <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) Example: <ul style="list-style-type: none">• Change background color of the page or table• Change text color of headings or paragraphs

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