



CET-223

Web Technologies

Experiment # 01

Experiment Title

HTML Fundamentals

Assessment of CLO(s): 03

Performed on _____

Student Name:			
Roll No.		Group	
Semester		Session	

Total (Max)	Performance (03)	Viva (03)	File (04)	Total (10)
Marks Obtained				
Remarks (if any)				

Experiment evaluated by

Instructor's Name	Engr. Bilal Iqbal		
Date		Signature	

Objective:

- Learn the fundamental structure of an HTML document.
- Use basic HTML tags to create a simple web page.

Setting Up the HTML Document

1. Create a new file called index.html.
2. Add the basic structure of an HTML document using the following tags:
 - `<!DOCTYPE html>`: Declares the document type.
 - `<html>`: The root element of the HTML document.
 - `<head>`: Contains meta-information about the page (such as the title).
 - `<title>`: Sets the title of the web page.
 - `<body>`: Contains the visible content of the page.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>My First HTML Page</title>
</head>
<body>
  <h1>Welcome to HTML Basics</h1>
</body>
</html>
```

Adding Content to the Body

1. Inside the `<body>`, add the following elements:
 - Headings: Use `<h1>` through `<h6>` for different levels of headings.
 - Paragraphs: Use the `<p>` tag for text content.
 - Links: Use the `<a>` tag to create hyperlinks.
 - Images: Use the `` tag to display an image

```
</body>
  <h1>Welcome to HTML Basics</h1>
  <h2>This is a sub-heading</h2>
  <p>This is a paragraph of text providing some information about HTML.</p>
  <a href="https://www.example.com" target="_blank">Visit Example Website</a>
  <br>
  
</body>
```

Organizing Content with Lists

1. Add both an unordered list () and an ordered list () to the body of your HTML document.

```
<body>
  <h1>My Favorite Things</h1>

  <h2>Unordered List</h2>
  <ul>
    <li>Pizza</li>
    <li>Movies</li>
    <li>Traveling</li>
  </ul>

  <h2>Ordered List</h2>
  <ol>
    <li>First</li>
    <li>Second</li>
    <li>Third</li>
  </ol>
</body>
```

Structuring Content with Div and Span

1. Use <div> for block-level containers and for inline containers to organize content.

```
<body>
  <div>
    <h1>Main Section</h1>
    <p>This is a paragraph inside a div container.</p>
  </div>

  <p>This sentence contains a <span style="color: red;">highlighted</span>
word.</p>
</body>
```

Lab Task: Create Your Own Basic Web Page

Instructions:

1. Create a new HTML file named my_webpage.html.
2. Structure your HTML document using the following tags:
 - <!DOCTYPE html>
 - <html>, <head>, <body>

3. In the <head>, include:
 - A <title> for your web page (e.g., "My Simple Web Page").
4. In the <body>, add:
 - A heading (<h1>) with the title of your page.
 - A paragraph (<p>) describing something about yourself or a topic you like.
 - A hyperlink (<a>) to your favorite website.
 - An image () from any URL.
 - An unordered list () of your three favorite hobbies or activities.
5. Save your HTML file as Index.html.
6. Attached the output and Code