# UNIT 2 Lab – Structuring the Web – HTML5

**Apply Your Knowledge**

**1. Predict the Result.**

Sketch out and briefly describe the web page that will be created with the following HTML code:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Predict the Result</title>

<meta charset="utf-8">

</head>

<body>

<header><h1><i>Favorite Sites</i></h1></header>

<main>

<ol>

<li><a href="http://facebook.com">Facebook</a></li>

<li><a href="http://google.com">Google</a></li>

</ol>

</main>

<footer>

<small>Copyright &copy; 2016 Your name here</small>

</footer>

</body>

</html>

**2. Fill in the Missing Code.**

The web page defined by the given code should display a heading and a description list, but some HTML tags, indicated by <\_>, are missing. Fill in the missing code.

<!DOCTYPE html>

<html lang="en">

<head>

<title>Door County Wildflowers</title>

<meta charset="utf-8">

</head>

<body>  
<header><\_>Door County Wild Flowers<\_></header> <main>  
<dl>

<dt>Trillium<\_>  
<\_>This white flower blooms from April through June in wooded areas.<\_>

<\_>Lady Slipper<\_>  
<\_>This yellow orchid blooms in June in wooded areas.</dd>

<\_>

</main>

</body>

</html>

**3. Find the Error.**

All the text on the web page defined by the given code displays in large

and bold font typeface. Explain why this is happening.

<!DOCTYPE html>

<html lang="en">

<head>

<title>Find the Error</title>

<meta charset="utf-8">

</head>

<body>

<h1>My Web Page<h1>

<p>This is a sentence on my web page.</p>

</body>

</html>

## Hands-On Exercises

1. In the “front-end-web-development” folder create another folder called “unit-02”
2. Write the HTML to display your name with the largest heading element
3. Write the HTML to create an absolute link to your school’s website
4. Write the HTML for an unordered list to display the days of the week
5. Write the HTML for an ordered list that uses uppercase letters to order the items. This ordered list should display the following terms: HTML, XML, and XHTML
6. Think of a favorite quotation by someone you admire. Write the HTML code to display the person’s name in a heading and the quotation in a blockquote element
7. Modify the following code snippet to indicate that the term “site map” should have strong importance:

<p>A diagram of the organization of a website is called a site map.

A site map represents the structure, or organization, of pages in

a website in a visual manner. Creating the site map is one of the

initial steps in developing a website.</p>

1. Modify the blockquote.html web page you created above. Configure the URL http://www.w3.org/WAI/ as a hyperlink. Save the file as blockquote2.html
2. Create a web page that uses a description list to display three network protocols (see Unit 1) and their descriptions. Include a hyperlink to a website that provides information about the protocols. Add an appropriate heading to the page. Save the page as network.html
3. Create a web page about your favourite musical group. Include the name of the group, the individuals in the group, a hyperlink to the group’s website, your favourite three (or fewer if the group is new) CD releases, and a brief review of each CD.
   * Use an unordered list to organize the names of the individuals.
   * Use a description list for the names of the CDs and your reviews.

Save the page as band.html

1. Create a web page about your favourite recipe. Use an unordered list for the ingredients and an ordered list to describe the steps needed to prepare the food. Include a hyper- link to a website that offers free recipes. Save the page as recipe.html.

**Imagine by John Lennon**

1. Create a html page called “imagine.html” and save it in the “unit-02” folder
2. In Visual Code type: ‘html:5’ and hit enter. Boilerplate text for a new html5 document should appear. If this doesn’t work then copy the following html code and paste into Visual Code

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

</body>

</html>

1. Copy the lyrics for the Imagine song from <https://www.azlyrics.com/lyrics/johnlennon/imagine.html> and paste it after the <body> tag and before the closing </body> tag
2. Add a main heading using the <h1> tag and the name of the song as the text
3. Surround each verse of the song with a <p> tag
4. View the html file in Chrome

A close up of text

Description automatically generated

1. As you can see the line breaks are being ignored and each verse id displayed on a single line
2. To fix this issue add a <br> tag to the end of each line as shown below

A screenshot of a computer screen

Description automatically generated

1. Add a <br> tag to the end of each line and reload the page in Chrome

A white background with black text

Description automatically generated

1. Add an <img> tag before the <h1> tag and set the value of the src attribute to <https://www.allriot.com/wp-content/uploads/2022/12/john-lennon-left-wing-political-views-activism.jpeg>
2. Although no longer recommended add a width attribute to the <img> tag and give it a value of 300px. This will reduce the size of the image to 300px width

A computer code with blue and black text

Description automatically generated

A person wearing sunglasses

Description automatically generated

1. Add a link to the online version of the song lyrics at the end of the page

A computer code with text

Description automatically generated

1. Using an unordered list, add a few more links to different web pages about John Lennon