

Experiment-1

Aim:- Create a Web Page for Course Curriculum: Use of Headings, Paragraphs, Bold, Italic, Underline, and

Special Characters, Ordered List, Unordered List, Description List, Nested List, and Mixed Lists.

Objectives

1. To design a simple course curriculum webpage using HTML.
2. To practice the use of basic text formatting tags (bold, italic, underline, special characters).
3. To learn the implementation of ordered, unordered, description, nested, and mixed lists.
4. To understand webpage content structuring using headings and paragraphs.

Tools Required

- ☐ Computer / Laptop with any OS
- ☐ Text Editor (VS Code, Sublime Text, Notepad++)
- ☐ Web Browser (Chrome, Edge, Firefox)

Theory

1. Headings (<h1>...<h6>): Used to display titles and subheadings in different sizes.
2. Paragraphs (<p>): Defines blocks of text content.
3. Formatting Tags:
 - o for bold text
 - o <i> for italic text
 - o <u> for <u>underlined text</u>
 - o Special characters are displayed using HTML entities (e.g., ©, <, >).
4. Lists:
 - o Ordered List (): Numbered items.
 - o Unordered List (): Bulleted items.
 - o Description List (<dl>): Term and description pairs.
 - o Nested List: A list inside another list.
 - o Mixed List: Combination of ordered, unordered, and nested lists

Code Implementation

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Global Daily News</title>

</head>

<body>

  <h1 align="center">Global Daily News</h1>

  <p align="center">Your Trusted Source for Latest Updates Around the World</p>

  <hr>

  <nav align="center">

    <a href="#w">World</a> |

    <a href="#w">Technology</a> |

    <a href="#w">Sports</a> |

    <a href="#w">Entertainment</a> |

    <a href="#w" >scenario</a>

    <a href="#w">Contact</a>

  </nav>

  <hr>

  <h2 id="w">World News</h2>

  <p>Breaking News: International summit concludes with major agreements on renewable energy investments.</p>

  

  <p><a href="https://edition.cnn.com">Read more on CNN</a></p>
```

<hr>

<h2>Technology Update</h2>

<p>Highlights: New AI breakthroughs are transforming healthcare and transportation industries.</p>

<iframe width="560" height="315" src="https://www.youtube.com/embed/M6CUeQm4G-U?si=E3csFxVS-BfWtZvU&start=8" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>

<hr>

<h2>Sports News</h2>

<p>Barcelona 3-0 Bayern Munich UCL 2015 Extended Highlights Full HD </p>

<iframe width="560" height="315" src="https://www.youtube.com/embed/ZViBVUw5tx0?si=vm0KdD2Z03D_y--M" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>

<h2>Entertainment Buzz(local video)</h2>

<p>Exclusive: The much-awaited sci-fi movie trailer just dropped! Fans are thrilled worldwide.</p>

<video width="420" height="250" controls>

<source src="video.mp4" type="video/mp4">

Your browser does not support the video tag.

</video>

<hr>

<h2>scenary(local img)</h2>

<h3>News Podcast</h3>

<p>Listen to our morning briefing on top stories and headlines.</p>

<audio>

<source src="https://www.w3schools.com/html/horse.mp3" type="audio/mpeg">

Your browser does not support the audio tag.

</audio controls>

<hr>

<h4>Contact Us</h4>

<p>Email: info@globaldailynews.com</p>

<p>© 2025 Global Daily News</p>

</body>

</html>

Output

Introduction

Welcome to the **Course Curriculum**. This page demonstrates the use of *HTML formatting*, lists, and special characters such as `&`, `<`, `>`.

Semester 1 Subjects (Ordered List)

1. Data Structures
2. Web Designing
3. Mathematics I
4. Applied Physics
5. Basics of Electrical Engineering
6. Environment and Sustainability

Programming Languages (Unordered List)

- Java
- C
- C++
- Python
- HTML & CSS
- JavaScript

Course Description (Description List)

Java

Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible.

C

C is a general-purpose, procedural computer programming language supporting structured programming, lexical variable scope, and recursion, with a static type system.

C++

C++ is a general-purpose programming language created by Bjarne Stroustrup as an extension of the C programming language, or "C with Classes".

Python

Python is an interpreted, high-level and general-purpose programming language. Python's design philosophy emphasizes code readability with its notable use of significant whitespace.

HTML & CSS

HTML is the standard markup language for documents designed to be displayed in a web browser.

CSS is a style sheet language used for describing the presentation of a document written in a markup language like HTML.

JavaScript

JavaScript, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm.

Course Modules (Nested List)

1. Module 1: Theory
 - Components of Computer System
 - Memory Hierarchy
2. Module 2: Programming
 - Algorithms and Flowcharts
 - Variables and Data Types
 - Control Statements

Project Work (Mixed List)

- Web Designing
 1. HTML
 - a. Basic Tags
 - b. Forms & Inputs
 - c. Media & Semantic Elements
 - d. Tables & Lists
 2. CSS
 - a. Box Model
 - b. Positioning & Layout
 - c. Styling Texts & Fonts
 - d. Responsive Design
 3. JavaScript
 - a. Syntax & Basics
 - b. DOM Manipulation
 - c. Events & Event Handling
- Database
 - A. MySQL
 - B. MongoDB

Outcome

- ☐ Successfully designed a basic course curriculum webpage.
- ☐ Implemented text formatting and different types of lists in HTML.
- ☐ Learned structuring and organizing content on a webpage.