**Report: Inspection of the Webpage Source Code**

**1. Inspection Overview**

I used the browser's developer tools to inspect the source code of the webpage created in Task 1. The inspection focused on analyzing the structure of HTML elements, their hierarchy, and the correctness of the implementation, along with CSS usage.

**2. Observations**

1. **HTML Structure:**
   * The HTML document has a proper structure starting with <!DOCTYPE html> and includes <html>, <head>, and <body> sections.
   * The <head> contains necessary elements such as <meta charset="UTF-8">, <title>, and a link to an external CSS file.
   * All required elements (e.g., headings, paragraphs, lists, links, images, tables, audio, video, and embedded content) are present and implemented correctly.
2. **Hierarchy:**
   * Elements are nested logically (e.g., <ul> and <ol> items are properly nested inside their respective parent elements).
   * Semantic tags like <h1>, <h2>, <p>, and <table> are used appropriately.
3. **CSS Integration:**
   * The CSS is applied correctly through an external file.
   * Inline styles in the <style> tag (from Task 1) were replaced with external styles (in Task 4), ensuring better separation of content and design.
4. **Accessibility:**
   * The <img> tag includes an alt attribute for accessibility.
   * Both <audio> and <video> elements have fallback text to inform users if the browser doesn’t support them.
5. **Performance:**
   * The external CSS file helps optimize the webpage by keeping styles separate.
   * Media files (example-audio.mp3 and example-video.mp4) are included using placeholder text, which ensures faster loading for the current prototype.

**3. Suggestions for Improvement**

1. **HTML Improvements:**
   * Add aria-label or aria-labelledby attributes for elements like <iframe> and <table> to improve accessibility further.
   * Include a <caption> for the table to make its purpose clear to screen readers.
2. **CSS Improvements:**
   * Use a CSS reset or normalize file to ensure consistent styling across different browsers.
   * Consider adding hover effects to links (<a>) for better user experience.
   * Apply responsive styles using media queries to ensure the page looks good on smaller screens.
3. **Performance Enhancements:**
   * Optimize image and media file sizes to reduce loading times.
   * Use lazy loading (loading="lazy") for images and embedded content to improve page performance.
4. **Additional Enhancements:**
   * Use semantic elements like <section> or <article> instead of <div> for better content organization.
   * Add a favicon for better branding in the browser tab.

**4. Conclusion**

The webpage demonstrates a solid understanding of HTML and CSS basics, with all required elements implemented correctly. By addressing the suggestions mentioned above, the webpage can be made more accessible, visually appealing, and performant.