**Assignment 2**

**Problem statement :**

Program on HTML basic tags to handle multimedia elements on web page.

The objective is to create a simple HTML webpage that demonstrates how to handle various multimedia elements such as images, audio, and video. The page should allow users to view an image, listen to an audio file, and watch a video, using the appropriate HTML tags to ensure proper embedding and functionality across different web browsers.

**Steps to Implement**

1. **Set Up the HTML Structure**:
   * Start with the <!DOCTYPE html> declaration to specify the document type.
   * Create the <html> element with a lang attribute set to "en" for English.
   * Inside the <head>, include the <meta> tags for character set (UTF-8) and viewport settings for responsiveness.
   * Set the title of the webpage using the <title> tag.
2. **Add Content to the Body**:
   * Use the <body> tag to contain all visible elements on the page.
3. **Create a Header**:
   * Use an <h1> tag to create a main title for the page, indicating that it handles multimedia elements.
4. **Embed an Image**:
   * Add an <h2> tag to introduce the image section.
   * Use the <p> tag to provide a brief description of the image.
   * Embed an image using the <img> tag with src pointing to the image file (img2.jpg), and add alt text for accessibility. Specify the width and height attributes to control the image size.
5. **Embed an Audio File**:
   * Add another <h2> tag to introduce the audio section.
   * Use a <p> tag for a description of the audio file.
   * Embed audio using the <audio> tag with the controls attribute to allow playback controls. Include a <source> tag pointing to the audio file (audio\_sample.mp3) and specify the type attribute to indicate the format.
6. **Embed a Video File**:
   * Add a third <h2> tag for the video section.
   * Use a <p> tag to describe the video.
   * Embed video using the <video> tag with the controls attribute. Use a <source> tag for the video file, but note that a YouTube link (https://www.youtube.com/watch?v=HcOc7P5BMi4) is not a direct video file link. You need to provide a direct MP4 file link instead for proper functionality.
7. **Testing the Webpage**:
   * Save the HTML file and open it in a web browser to ensure that the image, audio, and video elements display and function correctly.
   * Verify that the audio plays and the video controls work properly.

**Screenshot of output:**

