1. **Implement HTML program for stylesheet consisting the use of external, internal, inline stylesheet, overriding sequence among them and use of id and class.**

index.html

<!DOCTYPE html><html lang="en"><head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Stylesheet Demo</title> <!-- External stylesheet link --> <link rel="stylesheet" href="styles.css"> <style> h1 { color: blue; } .internal-class { background-color: lightgrey; padding: 10px; } #unique-id { font-style: italic; } h1 { color: rgb(234, 0, 255); } </style></head><body> <h1 class="internal-class">Heading with Internal Style</h1> <p id="unique-id">This paragraph uses an ID selector.</p> <h1 class="external-class">This paragraph uses an external stylesheet.</h1> <div style="color: red; text-align: center;"> This div uses inline styles, which override other styles. </div></body></html>

styles.css

body { font-family: Arial, sans-serif; margin: 20px; } h1 { font-size: 24px; color: green;

} .external-class { color: purple; font-weight: bold; } #unique-id { font-size: 18px; text-decoration: underline; }

1. **Implement HTML program for nested frame structure in TLB fashion consisting of targeting between frames and audio, video features and image mapping.**

audio\_frame.html

<!DOCTYPE html><html lang="en"><head> <title>Audio Frame</title></head><body> <h2>Audio Frame</h2> <audio controls> <source src="https://www.w3schools.com/html/horse.ogg" type="audio/ogg"> Your browser does not support the audio element. </audio></body></html>

footer.html

<!DOCTYPE html><html><head> <title>Footer</title></head><body style="background-color: lightcoral; text-align: center;"> <p>&copy; 2024 My Webpage. All Rights Reserved.</p></body></html>

header.html

<!DOCTYPE html><html><head> <title>Header</title></head><body style="background-color: lightblue; text-align: center;"> <h1>Welcome to My Webpage!</h1></body></html>

image\_frame.html

<!DOCTYPE html><html lang="en"><head> <title>Image Frame</title></head><body> <h2>Image Frame</h2> <img src="lab2.png" alt="Sample Image" usemap="#workmap"> <map name="workmap"> <area shape="rect" coords="121,174,557,420" alt="computer" href="https://en.wikipedia.org/wiki/Tablet\_computer" target="\_blank"> </map> </body></html>

index.html

<!DOCTYPE html><html><head> <title> Iframe Example</title></head><body> <iframe src="header.html" style="width: 100%; margin:0px; height: 100px; border: none;"></iframe> <div style="display: flex"> <iframe src="navigation.html" style="width: 25%; height: 500px; border: none;"></iframe> <iframe src="main.html" name="mainFrame" style="width: 75%; height: 500px; border: none;"></iframe> </div> <iframe src="footer.html" style="width: 100%; height: 50px; border: none;"></iframe></body></html>

main.html

<!DOCTYPE html><html><head> <title>Main Content</title></head><body style="background-color: white;"> <h2>Welcome to the Main Content Area</h2> <p>Click the links in the navigation menu to change this content.</p></body></html>

navigation.html

<!DOCTYPE html><html><head> <title>Navigation</title></head><body style="background-color: lightgray;"> <h2>Navigation</h2> <ul> <li><a href="video\_frame.html" target="mainFrame">Video</a></li> <li><a href="audio\_frame.html" target="mainFrame">Audio</a></li> <li><a href="image\_frame.html" target="mainFrame">Image</a></li> </ul></body></html>

video\_frame.html

<!DOCTYPE html><html lang="en"><head> <title>Video Frame</title></head><body> <h2>Video Frame</h2> <video width="500" controls> <source src="https://www.w3schools.com/html/mov\_bbb.mp4" type="video/mp4"> Your browser does not support the video tag. </video></body></html>