1. Create HTML documents to study various HTML tags, Style sheets, Boarders, padding, color.

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| --- |
| <!DOCTYPE html> |
|  | <html> |
|  | <head> |
|  | <title>My first web page</title> |
|  | <style> |
|  | .test |
|  | { |
|  | color: blue; |
|  | } |
|  | </style> |
|  | <link rel="stylesheet" href="[style.css](file:///C:\Users\radha\AppData\Local\Temp\8bbb911f-71de-4a35-a1e2-d6e38b1ac5d7_newwadlabprogram.zip.5d7\style.css)" /> |
|  | </head> |
|  | <body> |
|  | <p>This is a paragraph</p> |
|  | <h1 style="color: blue">Heading 1</h1> |
|  | <h2 class="test">Heading 2</h2> |
|  | <h6>Heading 6</h6> |
|  | <ul> |
|  | <li>This is list item 1</li> |
|  | <li>This is list item 2</li> |
|  | </ul> |
|  | <ol> |
|  | <li>This is list item 1</li> |
|  | <li>This is list item 2</li> |
|  | <li>This is list item 3</li> |
|  | </ol> |
|  | <img src="[C:\Users\cse\Desktop\pda.jpg](file:///C:\Users\cse\Desktop\pda.jpg)" /> |
|  | <a href="<http://www.google.com>" target="\_blank">Click me</a> |
|  | <br> |
|  | <input type="text" placeholder="Enter username" /> <br> |
|  | <input type="password" placeholder="Enter password" /> <br> |
|  | <input type="number" /> |
|  | <br> |
|  | <button>Click me</button> |
|  | </body> |
|  | </html>  style.css  .test  { font-size: 60px;  background-color: yellow;  padding: 30px;  margin: 80px;  border: 5px solid red;  } |

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| 2a) Develop a Javascript embedded HTML file for:   1. Generating Sum of n numbers. Use alert window to display the result. |
|  | | <html>  <head> |
|  | | <title>Experiment 2a</title> |
|  | | </head> |
|  | | <body> |
|  | | <h2>Sum of n numbers</h2> |
|  | | <input type="number" placeholder="number" class="num" /> |
|  | | <button class="button">Sum up</button> |
|  | <script> | |
|  | const btn = document.querySelector(".button"); | |
|  | btn.addEventListener("mouseover", function () | |
|  | { | |
|  | const enteredNumber = document.querySelector(".num").value; | |
|  | let sum = 0; | |
|  | for (let i = 1; i <= enteredNumber; i++) | |
|  | { | |
|  | sum = sum + i; | |
|  | } | |
|  | alert("sum is :" + sum); | |
|  | }); | |
|  | </script> | |
|  | </body> | |
|  | </html> | |

2b) Determine the Roots of Quadratic Equations. Use document. Write to produce output.

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | <html>  <head> |
|  | | | <title> Quadratic Equation </title> |
|  | | | </head> |
|  | | <body> | |
|  | | <input type="number" placeholder="co efficient of a" class="a" /> <br> | |
|  | | <input type="number" placeholder="co efficient of b" class="b" /> <br> | |
|  | | <input type="number" placeholder="co efficient of c" class="c" /> <br> | |
|  | | <button class="button">Get roots</button> | |
|  | | <script> | |
|  | | const btn = document.querySelector(".button"); | |
|  | | btn.addEventListener("click", function () | |
|  | | { | |
|  | | const a = Number(document.querySelector(".a").value); | |
|  | | const b = Number(document.querySelector(".b").value); | |
|  | | const c = Number(document.querySelector(".c").value); | |
|  | | let real1, real2, imag1, imag2; | |
|  | const rootof = b \* b - 4 \* a \* c; // negative | | |
|  | if (rootof < 0) | | |
|  | { | | |
|  | real1 = -b / (2 \* a); | | |
|  | real2 = -b / (2 \* a); | | |
|  | imag1 = Math.sqrt(rootof \* -1) / (2 \* a) + "i"; | | |
|  | imag2 = Math.sqrt(rootof \* -1) / (2 \* a) + "i"; | | |
|  | } | | |
|  | // positive | | |
|  | if (rootof > 0) | | |
|  | { | | |
|  | real1 = (-b + Math.sqrt(rootof)) / (2 \* a); | | |
|  | real2 = (-b - Math.sqrt(rootof)) / (2 \* a); | | |
|  | imag1 = 0 + "i"; | | |
|  | imag2 = 0 + "i"; | | |
|  | } | | |
|  | document.write("Root1 : ", real1, "+", imag1); | | |
|  | document.write("Root2 : ", real2, "-", imag2); | | |
|  | }); | | |
|  | </script> | | |
|  | </body> | | |
|  | </html> | | |