1. Based on the following HTML, you need to use loop to print all contents on the required location (see the final output figure below).

Graphical user interface, text, application

Description automatically generated

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| --- |
| <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta http-equiv="X-UA-Compatible" content="IE=edge">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>CSCI165 lab</title>  </head>  <body>  <h3>Loop Over DOM Elements</h3>  <p>Hello World</p>  <p>Hello HTML</p>  <p>Hello CSS</p>  <P>Hello JavaScript</P>  <hr>  <h3>Show your contents below</h3>  *// your contents should be printed here*  <p id="p1"></p>    <script>  const para = document.querySelectorAll('body > p');          let content = '';          for (let i = 0; i < para.length; i++) {              content += para[i].textContent + '<br>';          }          document.getElementById('p1').innerHTML = content;    </script>  </body>  </html> |
|  |

1. Based on the following HTML and output, complete your JavaScript code. You can click the button to change background color, width, height of the content.

Text, application

Description automatically generated

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| --- |
| <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta http-equiv="X-UA-Compatible" content="IE=edge">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Document</title>  </head>  <body>  <p id="p1">Change my background color</p>  <button>Click me</button>    <script>  *// your code starts here*  </script>  </body>  </html> |

Method 1:

|  |
| --- |
| <p id="p1">Change my background color</p>      <button onclick="run()">Click me</button>      <script>          function run() {              const p1 = document.getElementById('p1');             p1.style.backgroundColor = 'grey';              p1.style.color = 'blue';              p1.style.width = '150px';              p1.style.height = '50px';          }      </script> |

Method 2:

|  |
| --- |
| <p id="p1">Change my background color</p>      <button id="btn1">Click me</button>      <script>          document.getElementById('btn1').addEventListener('click', function () {              const p1 = document.getElementById('p1');             p1.style.backgroundColor = 'grey';              p1.style.color = 'blue';              p1.style.width = '150px';              p1.style.height = '50px';          });      </script> |