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Sub : Sem-II

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Practical : 05

Aim: Develop and demonstrate a HTML file that includes JavaScript script that uses functions for the following problems:

a. Parameter: A string Output: Length of the String

b. Parameter: A number Output: The number with its digits in the reverse order

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>String Length and Number Reverse</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 40px;
      background-color: #f4f4f4;
    }
    .container {
      background-color: #fff;
      padding: 30px;
      border-radius: 10px;
      max-width: 500px;
      margin: auto;
      box-shadow: 0 0 10px rgba(0,0,0,0.1);
    }
    h2 {
      text-align: center;
      margin-bottom: 20px;
    }
    .input-group {
      margin-bottom: 20px;
    }
    label {
      display: block;
      margin-bottom: 8px;
      font-weight: bold;
    }
    input[type="text"], input[type="number"] {
      width: 100%;
      padding: 10px;
      border-radius: 5px;
      border: 1px solid #ccc;
    }
    button {
      width: 100%;
      padding: 10px;
      background-color: #4CAF50;
      color: white;
      border: none;
      border-radius: 5px;
      margin-top: 10px;
      font-size: 16px;
      cursor: pointer;
    }
    button:hover {
      background-color: #45a049;
    }
    .result {
      margin-top: 20px;
      font-size: 18px;
      text-align: center;
      color: #333;
    }
  </style>
</head>
<body>

<div class="container">
  <h2>String and Number Operations</h2>

  <div class="input-group">
    <label for="inputString">Enter a String:</label>
    <input type="text" id="inputString">
```

```

<button onclick="getStringLength()">Get String Length</button>
</div>

<div class="input-group">
  <label for="inputNumber">Enter a Number:</label>
  <input type="number" id="inputNumber">
  <button onclick="reverseNumber()">Reverse Digits</button>
</div>

<div class="result" id="output"></div>
</div>

<script>
// a. Function to find the length of a string
function getStringLength() {
  let str = document.getElementById('inputString').value;
  let length = str.length;
  document.getElementById('output').innerText = `Length of the String: ${length}`;
}

// b. Function to reverse the digits of a number
function reverseNumber() {
  let num = document.getElementById('inputNumber').value;
  let reversed = num.toString().split('').reverse().join('');
  document.getElementById('output').innerText = `Reversed Number: ${reversed}`;
}
</script>

</body>
</html>

```

OUTPUT:



