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Experiment no 5: Develop and demonstrate a HTML file that includes JavaScript script that uses functions for calculating length of string and reverse a number.

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>String and Number Manipulation</title>

<style> body { font-family: Arial, sans-serif; background-color: #f0f0f0; padding: 20px;

}

.container { background-color: white; padding: 20px; border-radius: 10px; box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1); max-width: 400px; margin: auto;

} input { width: 100%; padding: 10px; margin: 10px 0; border: 1px solid #ccc; border-radius: 5px;

} button { padding: 10px; border: none; border-radius: 5px; background-color: #007bff; color: white; cursor: pointer; width: 100%;

} button:hover { background-color: #0056b3;

} .result { margin-top: 20px; font-weight: bold;

}

</style>

</head>

<body>

<div class="container">

<h1>String and Number Manipulation</h1>

<h2>1. String Length</h2>

<input type="text" id="stringInput" placeholder="Enter a string">

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

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

<h2>2. Reverse Number</h2>

<input type="number" id="numberInput" placeholder="Enter a number">

<button onclick="reverseNumber()">Reverse Number</button>

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

</div>

<script>

// Function to calculate the length of a string function calculateStringLength() { const str = document.getElementById('stringInput').value; const length = str.length; document.getElementById('stringResult').innerText = `Length of the string: ${length}`;

}

// Function to reverse the digits of a number function reverseNumber() { const num = document.getElementById('numberInput').value; const reversed = num.toString().split('').reverse().join(''); document.getElementById('numberResult').innerText = `Reversed number: ${reversed}`; }

</script>

</body>

</html>

Output:

