

Aim: Design a webpage using HTML CSS and JS to perform operation.

a. Read a string from a textbook and calculate length.

b. display digits in reverse order.

Theory:

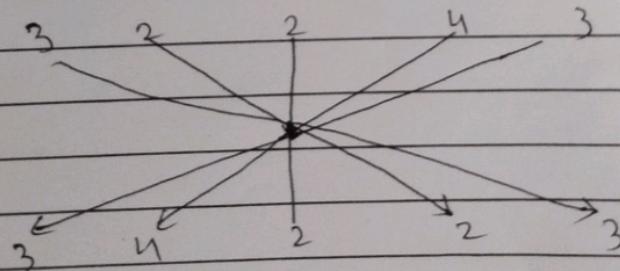
Javascript string.length property the string. length is a property in Javascript which is used to find length of a given string. The string.length property returns '0' if string empty.

Syntax:

String.length

It function that reverse a number.

Ex:



Syntax:

'Return : n . split (" ") . reverse () - join (" ") ;

function .

reverse = number (n)



n = nt " "

Return : n . split (" ") : reverse
() ; join (" ") ;



END

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>String Length Calculator</title>
<style>
body {
    font-family: Arial, sans-serif;
    background: #f4f4f4;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    height: 100vh;
    margin: 0;
}

.container {
    background: #fff;
    padding: 2rem 3rem;
    border-radius: 10px;
    box-shadow: 0 2px 8px rgba(0,0,0,0.1);
    text-align: center;
}

input[type="text"] {
    padding: 0.5rem;
    width: 250px;
    font-size: 1rem;
    border: 1px solid #ccc;
    border-radius: 5px;
    margin-bottom: 1rem;
}

button {
    padding: 0.5rem 1.5rem;
    font-size: 1rem;
    background: #007bff;
    color: #fff;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    margin-bottom: 1rem;
}

button:hover {
    background: #0056b3;
}

.result {
    font-size: 1.2rem;
```

```
        color: #333;
        margin-top: 1rem;
    }

```

```
</style>

```

```
</head>

```

```
<body>
    <div class="container">
        <h2>String Length Calculator</h2>
        <input type="text" id="inputString" placeholder="Enter your string here">
        <br>
        <button onclick="calculateLength()">Calculate Length</button>
        <div class="result" id="result"></div>
    </div>

```

```
<script>
    function calculateLength() {
        const input = document.getElementById('inputString').value;
        const length = input.length;
        document.getElementById('result').textContent = 'Length: ${length}';
    }

```

```
</script>

```

```
</body>

```

```
</html>
```

String Length Calculator

55

Calculate Length

Length: 2

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Reverse Digits</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background: #e6f3ff;
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
    }
    .container {
      background: #fff;
      padding: 5rem 6rem;
      border-radius: 10px;
      box-shadow: 0 2px 8px rgba(0,0,0,0.1);
      text-align: center;
    }
    input[type="text"] {
      padding: 0.5rem;
      width: 250px;
      font-size: 1rem;
      border: 1px solid #ccc;
      border-radius: 5px;
      margin-bottom: 1rem;
    }
    button {
      padding: 0.5rem 1.5rem;
      font-size: 1rem;
      background: #28a745;
      color: #fff;
      border: none;
      border-radius: 5px;
      cursor: pointer;
      margin-bottom: 1rem;
    }
    button:hover {
      background: #218838;
    }
    .result {
      font-size: 1.2rem;
    }
  </style>

```

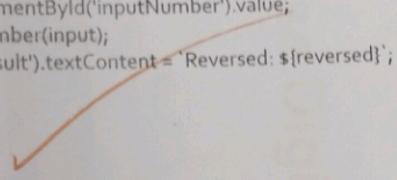


```
        color: #333;
        margin-top: 1rem;
    }

```

```
</style>
</head>
<body>
    <div class="container">
        <h2>Reverse Digits</h2>
        <input type="text" id="inputNumber" placeholder="Enter a number here">
        <br>
        <button onclick="reverseDigits()">Reverse Digits</button>
        <div class="result" id="result"></div>
    </div>
    <script>
        function reverse_a_number(n) {
            n = n + "";
            return n.split("").reverse().join("");
        }

        function reverseDigits() {
            const input = document.getElementById('inputNumber').value;
            const reversed = reverse_a_number(input);
            document.getElementById('result').textContent = 'Reversed: ${reversed}';
        }
    </script>
</body>
</html>
```



Reverse Digits



3356383

Reverse Digits

Reversed: 3836533

Page No. (11)

Date :

Sgn:

#Conclusion:

The designed webpage it allows users to input a string to calculate length and enter a no. to display digits in reverse order enhance user understanding for javascript.

JL