

String Manipulation

Roll no: 42427 Name: Aditi Kalegaonkar Div: BE6 Q6

Enter String:

Reverse String

abba

Check Palindrome

It's a palindrome!

b

a

Replace String

aaaa

Reset

String Manipulation

Roll no: 42427 Name: Aditi Kalegaonkar Div: BE6 Q6

Enter String:

Reverse String

Check Palindrome

Text to find...

Replace with...

Replace String

Reset

JavaScript EXP_3
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar

HTML: -

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>String Manipulation</title>
  <link rel="stylesheet" href="index3.css">
</head>
<body>
  <h3>String Manipulation</h3>
  <div style="text-align: center;">
    Roll no: 42427
    Name: Aditi Kalegaonkar
    Div: BE6 Q6
  </div>
  <div class="input">
    <label>Enter String: </label>
    <input type="text" id="str" class="ipcontainer" />
  </div>
  <div class="main-container">
    <div class="grid-container">
      <button onclick="reverseString()">Reverse String</button>
      <p id="reverseResult"></p>
      <button onclick="checkPalindrome()">Check Palindrome</button>
      <p id="palindromeResult"></p>
    </div>
    <div class="replace-container">
      <div class="replace-inputs">
        <input type="text" id="findText" placeholder="Text to find...">
        <input type="text" id="replaceText" placeholder="Replace
with...">
      </div>
    </div>
  </div>
</body>
</html>
```

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```
        <button onclick="replaceString()">Replace String</button>
        <p id="replaceResult"></p>
    </div>
    <button onclick="Reset()" class="reset-button">Reset</button>
</div>
<script src="29_7_25.js"></script>
</body>
</html>
```

CSS : -

```
body {
    background-color: white;
    font-family: Arial, sans-serif;
    color: #F78D60;
    margin-top: 40px;
}
```

```
h3 {
    text-align: center;
    font-size: 1.8rem;
    color: #EA2264;
}
```

```
.input {
    display: flex;
    justify-content: center;
    align-items: center;
    gap: 10px;
    margin: 30px 0;
}
```

```
label {
    font-weight: bold;
```

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```
        font-size: 1.1rem;
    }

    input {
        padding: 10px;
        border: 2px solid #EA2264;
        border-radius: 6px;
        font-size: 1rem;
        background-color: white;
        color: #F78D60;
    }

    .main-container {
        max-width: 700px;
        margin: 0 auto;
        display: flex;
        flex-direction: column;
        gap: 20px;
    }

    .grid-container {
        display: grid;
        grid-template-columns: 1fr 1fr;
        gap: 15px;
    }

    .replace-container {
        display: flex;
        flex-direction: column;
        gap: 15px;
        background-color: #640D5F;
        padding: 20px;
        border-radius: 8px;
    }
```

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```
}
```

```
.replace-inputs {  
    display: flex;  
    gap: 10px;  
}
```

```
.replace-inputs input {  
    width: 100%;  
}
```

```
button {  
    padding: 15px;  
    background-color: #640D5F;  
    color: #F78D60;  
    font-weight: bold;  
    border: none;  
    border-radius: 6px;  
    cursor: pointer;  
    font-size: 1rem;  
}
```

```
.reset-button {  
    background-color: #EA2264;  
    color: white;  
}
```

```
.grid-container p, .replace-container p {  
    background-color: #640D5F;  
    margin: 0;  
    padding: 15px;  
    border: 1px solid white;  
    border-radius: 6px;  
    text-align: center;
```

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```
    font-weight: bold;
    min-height: 24px;
}
```

JS : -

```
function reverseString() {
    const input = document.getElementById('str').value;
    const reversed = input.split('').reverse().join('');
    document.getElementById('reverseResult').innerHTML = reversed;
}
```

```
function replaceString() {
    const originalString = document.getElementById('str').value;
    const toFind = document.getElementById('findText').value;
    const toReplace = document.getElementById('replaceText').value;

    if (toFind) {
        const newString = originalString.replaceAll(toFind, toReplace);
        document.getElementById('replaceResult').innerHTML = newString;
    } else {
        document.getElementById('replaceResult').innerHTML = "Please enter text to find.";
    }
}
```

```
function checkPalindrome() {
    const input = document.getElementById('str').value.toLowerCase();
    const reversed = input.split('').reverse().join('');

    if (input && input === reversed) {
        document.getElementById('palindromeResult').innerHTML = "It's a palindrome!";
    } else if (!input) {
```

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```
        document.getElementById('palindromeResult').innerHTML = "";
    } else {
        document.getElementById('palindromeResult').innerHTML = "Not a
palindrome.";
    }
}

function Reset() {
    document.getElementById('str').value = '';
    document.getElementById('findText').value = '';
    document.getElementById('replaceText').value = '';
    document.getElementById('reverseResult').innerHTML = '';
    document.getElementById('replaceResult').innerHTML = '';
    document.getElementById('palindromeResult').innerHTML = '';
}
```