



Society for Computer Technology & Research's
Pune Institute of Computer Technology
Department of Electronics and Telecommunication Engineering

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|----------------|---------------------|
| Roll no: 42411 | Name: Aditi Daberao |
| Division: BE 8 | Batch: P8 |

Practical No : 3 **To perform following operations on a given string,**

- **Reverse string**
- **Replace characters of a string.**
- **String is Palindrome.**

Code:

1.HTML

```
<!DOCTYPE html>
```

```
<html>
```

```
<script src="expt_3.js"></script>
```

```
<center>
```

```
<h1>Expt 3: String Operations</h1>
```

```
</center>
```

```
<body>
```

```
<center>
```

```
<h2>Aditi Daberao </h2>
```

```
<h3>Roll No.: 42411</h3>
```

```
<hr>
```

```
<!-- Reversal -->
```



<h3>String Reversal</h3>

Enter String : <input type="string" id="origStr1"></inputtype>

<button onclick="reverse()">Reverse String</button>

<button onclick="ResetR()">Reset</button>

<p>Reversed String :</p>

<p id="output1"></p>

<hr>

<!-- Palindrome -->

<h3>Palindrome Check</h3>

Enter String : <input type="string" id="origStr2"></inputtype>

<button onclick="palindrome()">Check Palindrome</button>

<button onclick="ResetP()">Reset</button>

<p id="output2"></p>

<hr>

<!-- Character Replacement -->

<h3>Character Replacement</h3>



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Enter String : <input type="string" id="origStr3"></inputtype>

Charcter To Replace : <input type="string" id="toReplace"></inputtype>

Character To Replace With : <input type="string" id="replaceWith"></inputtype>

<button onclick="replaceChar()">Replace</button>

<button onclick="ResetC()">Reset</button>

<p>Replaced String :</p>

<p id="output3"></p>

<hr>

</center>

</body>

</html>



2. **JS**

```
function reverse() {  
  
    var input1 = document.getElementById("origStr1").value;  
  
    var reversed1 = input1.split("").reverse().join("");  
  
    document.getElementById("output1").innerHTML = reversed1;  
  
}
```

```
function palindrome() {  
  
    var input2 = document.getElementById("origStr2").value;  
  
    var reversed2 = input2.split("").reverse().join("");  
  
    var palindrome;  
  
    if (reversed2 == input2) {  
  
        palindrome = "String Is Palindrome";  
  
    }  
  
    else if (reversed2 != input2) {  
  
        palindrome = "String Is Not Palindrome";  
  
    }  
  
    document.getElementById("output2").innerHTML = palindrome;  
  
}
```

```
function replaceChar() {
```



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```
var input3 = document.getElementById("origStr3").value;

var toReplace = document.getElementById("toReplace").value;

if(input3.includes(toReplace)==false)

{

    alert("Character not present in string");

}

else

{ var withReplace = document.getElementById("replaceWith").value;

var replaced = input3.replace(toReplace, withReplace);

document.getElementById("output3").innerHTML = replaced;

}

}

function ResetR()

{

    document.getElementById("origStr1").value="";

    document.getElementById("output1").innerHTML = "";

}

function ResetP()

{

    document.getElementById("origStr2").value="";

    document.getElementById("output2").innerHTML = "";
```



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```
}
```

```
function ResetC()
```

```
{
```

```
    document.getElementById("origStr3").value="";
```

```
    document.getElementById("replaceWith").value="";
```

```
    document.getElementById("toReplace").value="";
```

```
    document.getElementById("output3").innerHTML = "";
```

```
}
```



Output:

C:/Users/HP/Downloads/expt%203/expt%203.html

Maps Learn C++ Program... lassiecoder/E-Com...

Expt 3: String Operations

Aditi Daberao
Roll No.: 42411

String Reversal

Enter String :

Reversed String :
itida

Palindrome Check

Enter String :

String Is Not Palindrome

Character Replacement

Enter String :

Character To Replace :

Character To Replace With :

Replaced String :
Adyti