

LAB CAT – 2

Internet and Web Programming

CSE3002

L55+L56

19BCE2141

Q- Write a JavaScript and HTML program to get a string from user through HTML form. The given string should be reversed without using string reverse function when the user clicks the REVERSE button. The result will be displayed through a text box.

HTML and JavaScript Code –

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
```

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

```
<title>LAB CAT 2</title>
```

```
<script>
```

```
function Reverse(){
```

```
    var output = "";
```

```
    var x=document.getElementById("reverse").value;
```

```
    for(var i=x.length;i>0;i--)
```

```
    {
```

```
        output = output + x.charAt(i-1);
```

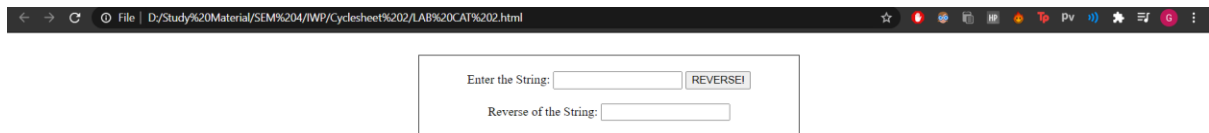
```

    }
    document.getElementById("final").value = output;
}
</script>
</head>
<body style="padding: 20px;">
    <div style="margin: auto; width: 30%; border: solid black 1px; text-align: center; padding: 20px;">
        <form>
            <label for="reverse">Enter the String: </label>
            <input type="text" id="reverse" name="reverse" value="">
            <button type="button" value="reverse"
onclick="Reverse()">REVERSE!</button><br><br>
            <label for="reverse">Reverse of the String: </label>
            <input type="text" id="final" name="final" value="" readonly>
        </form>
    </div>
</body>
</html>

```

Output –

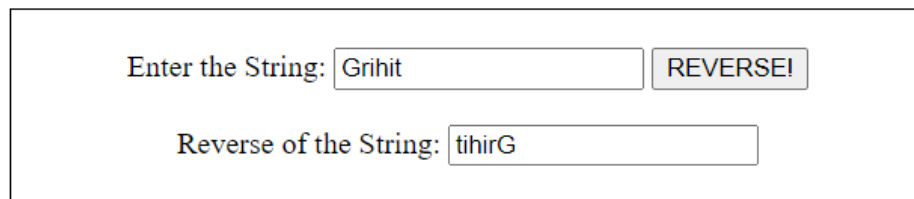
Initially



A screenshot of a web browser window. The address bar shows the file path: D:/Study%20Material/SEM%204/IWP/Cyclesheet%202/LAB%20CAT%202.html. The page content is a simple form with two input fields and a button. The first input field is labeled "Enter the String:" and is empty. To its right is a button labeled "REVERSE!". Below the first input field is a second input field labeled "Reverse of the String:", which is also empty.

Word input

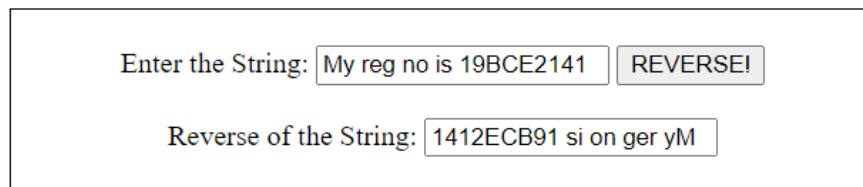
sheet%202/LAB%20CAT%202.html



A screenshot of the web browser window showing the string reversal interface. The "Enter the String:" input field now contains the text "Grihit". The "REVERSE!" button is still present. The "Reverse of the String:" input field now contains the text "tihirG", which is the reverse of "Grihit".

String input

esheet%202/LAB%20CAT%202.html



A screenshot of the web browser window showing the string reversal interface. The "Enter the String:" input field now contains the text "My reg no is 19BCE2141". The "REVERSE!" button is still present. The "Reverse of the String:" input field now contains the text "1412ECB91 si on ger yM", which is the reverse of the input string.