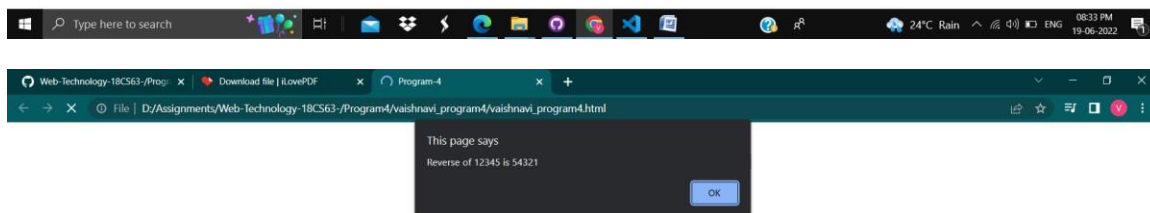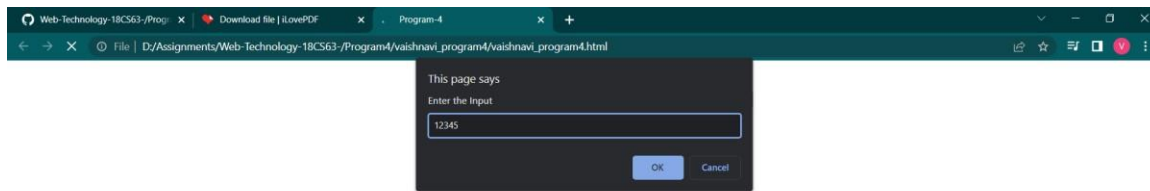Program-4: Develop and demonstrate a HTML5 file that includesJavaScript script that uses functions for the following problems: Program4.html
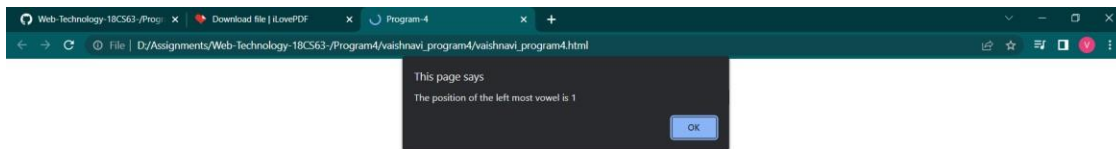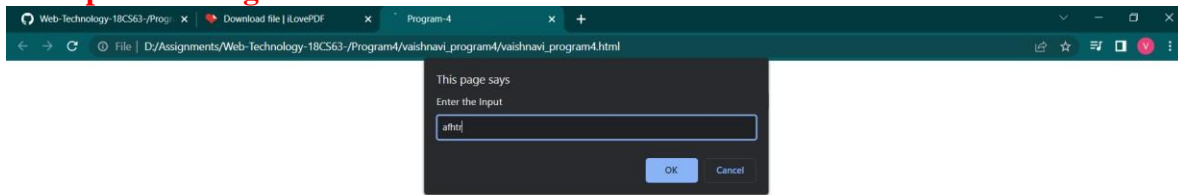
```html
<!-- Develop and demonstrate a HTML5 file that includes JavaScript script that uses functions for the following problems:
    a. Parameter: A string
    b. Output: The position in the string of the left-most vowel
    c. Parameter: A number
    d. Output: The number with its digits in the reverse order -->

<!DOCTYPE HTML>
<html>
<head><title>Program-4</title></head>
<body>
    <script type="text/javascript">
        var str = prompt("Enter the Input", "");
        if (!(isNaN(str)))  //isNaN means is Not a Number
        {
            var num, rev = 0,remainder;
            num = parseInt(str);
            while (num != 0)
            {
                remainder = num % 10;
                num = parseInt(num / 10);
                rev = rev * 10 + remainder;
            }
            alert("Reverse of " + str + " is " + rev);
        }

        else

        {
            str = str.toUpperCase();
            for (var i = 0; i < str.length; i++)  //0,1,2,3
            {
                var chr = str.charAt(i);
                if (chr == 'A' || chr == 'E' || chr == 'I' || chr == 'O' || chr == 'U')
                    break;
            }
            if (i < str.length)
                alert("The position of the left most vowel is " + (i + 1));
            else
                alert("No vowel found in the entered string");
        }

    </script>
</body>

</html>
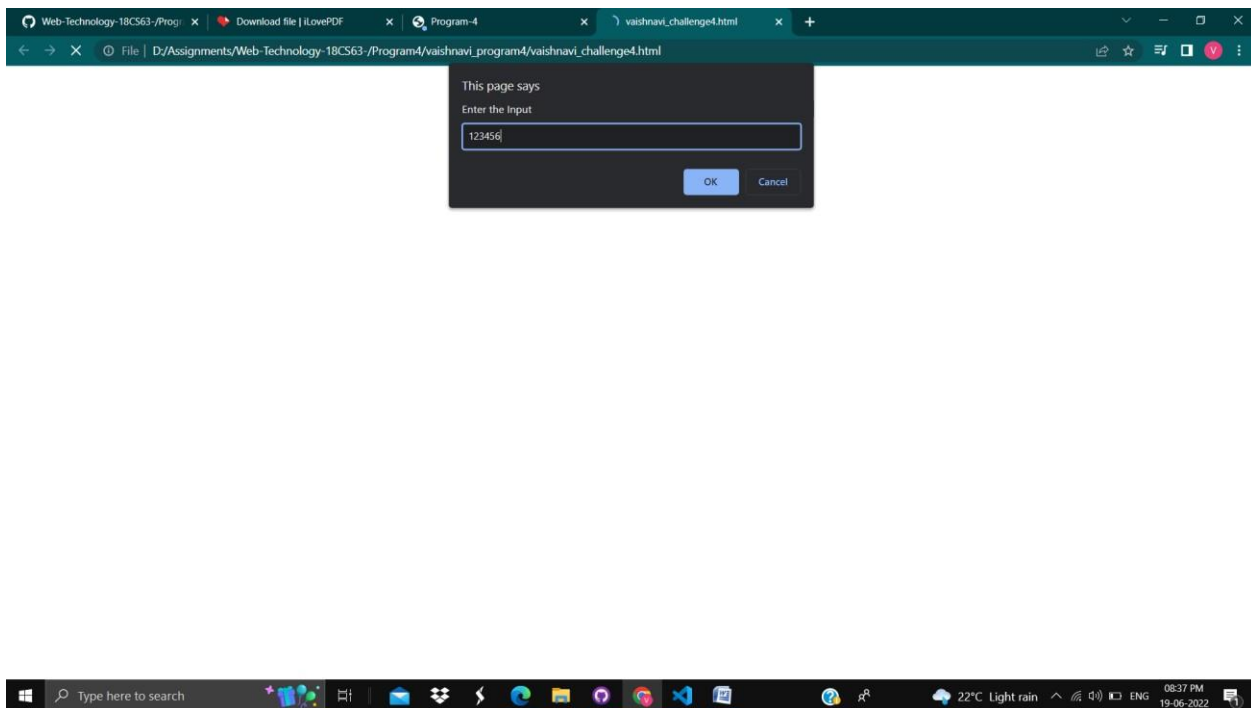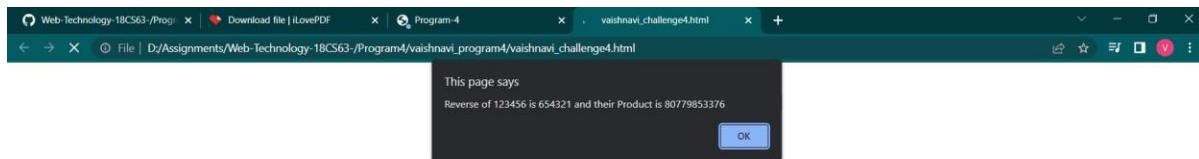```

**output 1: Integer Value test**

**Output 2: String Value test**



This page says
Enter the Input

afhtr

OK    Cancel



This page says
The position of the left most vowel is 1

OK

**1.** Test Cases

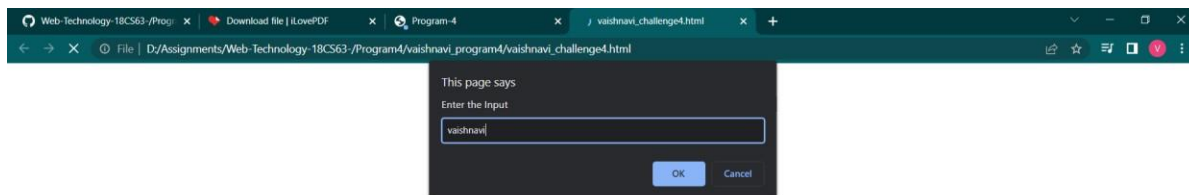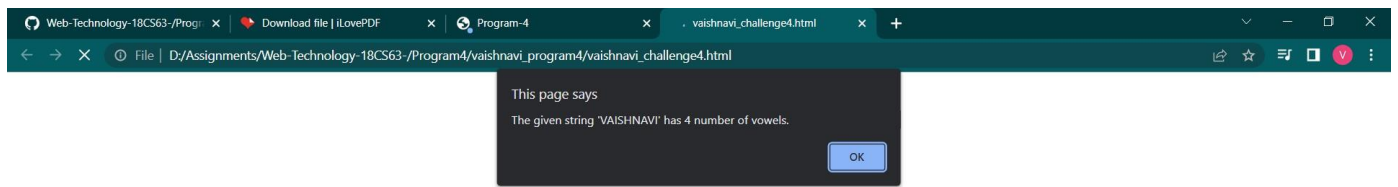| Test No. | Test Case | Expected Output | Output Obtained |
|---|---|---|---|
| 1 | Integer Value :123<br>Text Value:vaishnavi | 321<br>4 | 321<br>4 |
| 2 | Negative Integer value:-12<br>Text Value: abc | -21<br>1 | -21<br>1 |
| 3 | Integer Value:123<br>Alpha numerical value:12asr | 321<br>3 | 321<br>3 |
| 4 | Integer Value:123<br> Non vowel string:srt | 321<br>No vowel found in the entered string | 321<br>No vowel found in the entered string |
| 5 | Test case of choice | | |

Challenge4
Integer value input

Integer value output

String value input

This page says

The given string 'VAISHNAVI' has 4 number of vowels.

OK

String value output