

Vaishnavi Desai – 2TG19CS055

Program-4: Develop and demonstrate a HTML5 file that includes JavaScript script that uses functions for the following problems:

Program4.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 -->

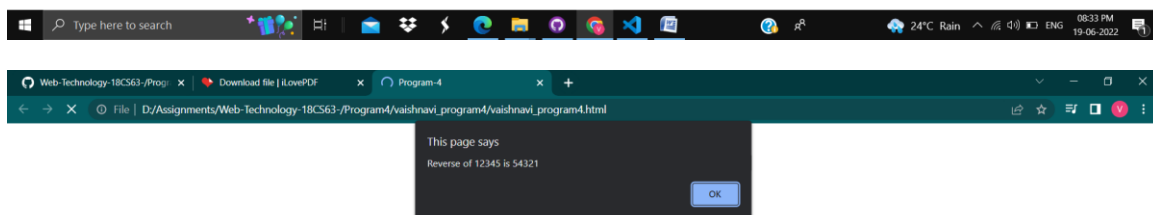
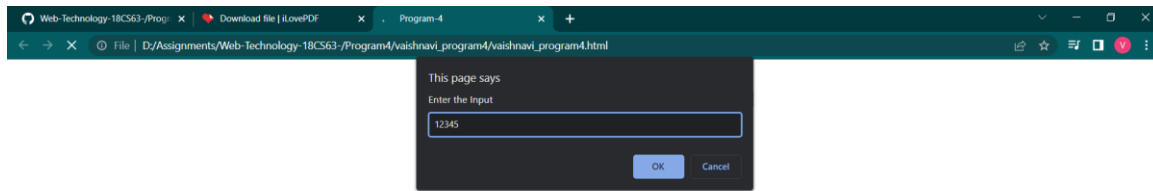
<!DOCTYPE HTML>
<html>
<head><title>Program-4</title></head>
<body>
  <script type="text/javascript">
    var str = prompt("Enter the Input", "");
    if (!isNaN(str)) //isNaN means is Not a Number
    {
      var num, rev = 0, remainder;
      num = parseInt(str);
      while (num != 0)
      {
   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

    else

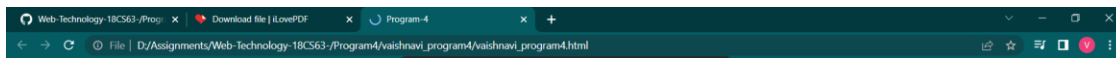
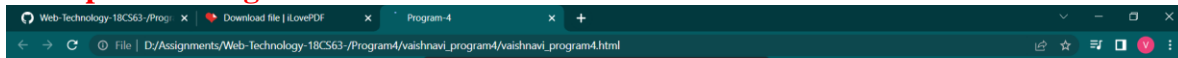
    {
      str = str.toUpperCase();
      for (var i = 0; i < str.length; i++) //0,1,2,3
      {
        var chr = str.charAt(i);
        if (chr == 'A' || chr == 'E' || chr == 'I' || chr == 'O' || chr == 'U')
          break;
      }
      if (i < str.length)
        alert("The position of the left most 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

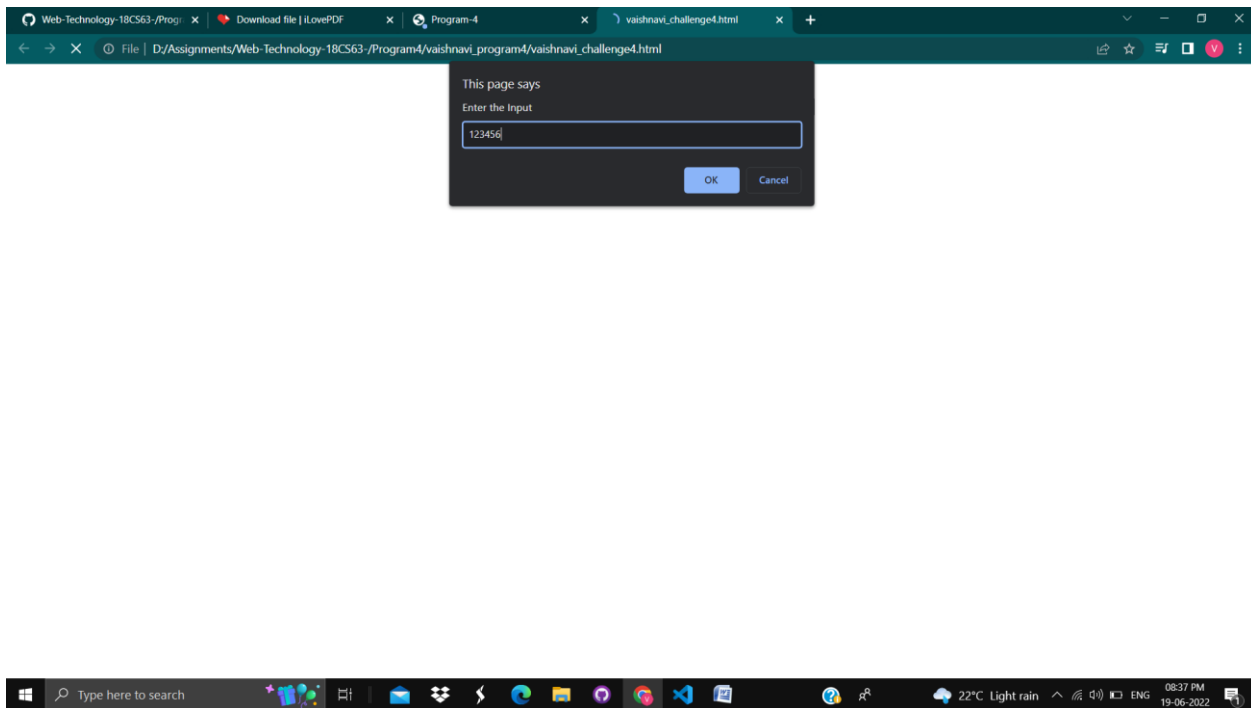


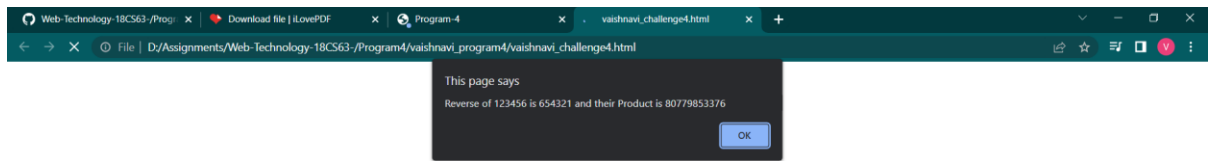
1. Test Cases

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

Challenge4

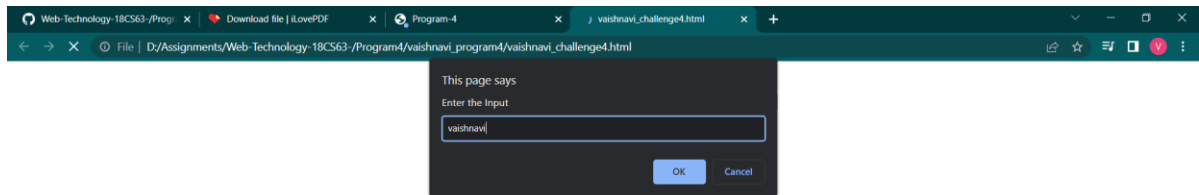
Integer value input

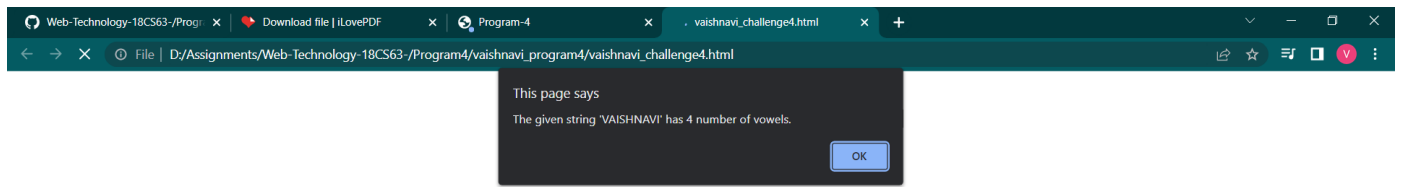




Integer value output

String value input





String value output