

Program-4: 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

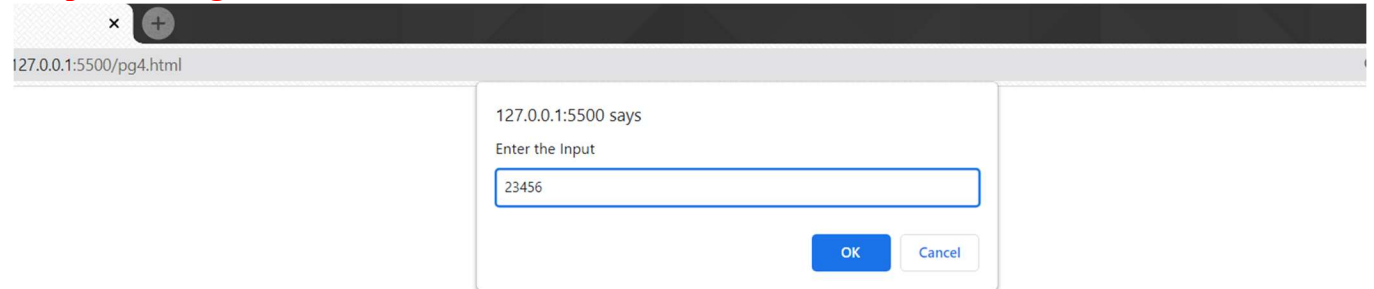
d. Output: The number with its digits in the reverse order

```
<!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>

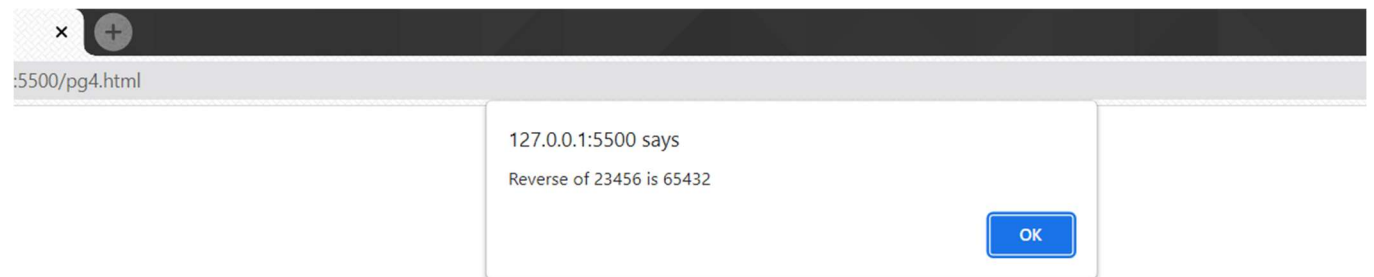
```

```
}  
  
</script>  
</body>  
  
</html>
```

Output 1: Integer Value test

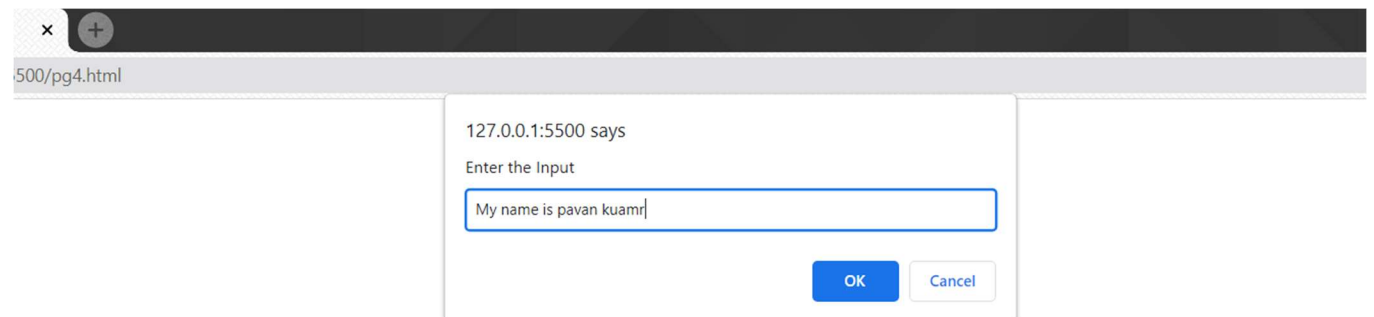


A screenshot of a web browser window with a single tab titled "127.0.0.1:5500/pg4.html". A modal dialog box is displayed in the center of the screen. The dialog box has a title bar that says "127.0.0.1:5500 says". Inside the dialog, the text "Enter the Input" is followed by a text input field containing the value "23456". At the bottom right of the dialog, there are two buttons: "OK" (highlighted in blue) and "Cancel".

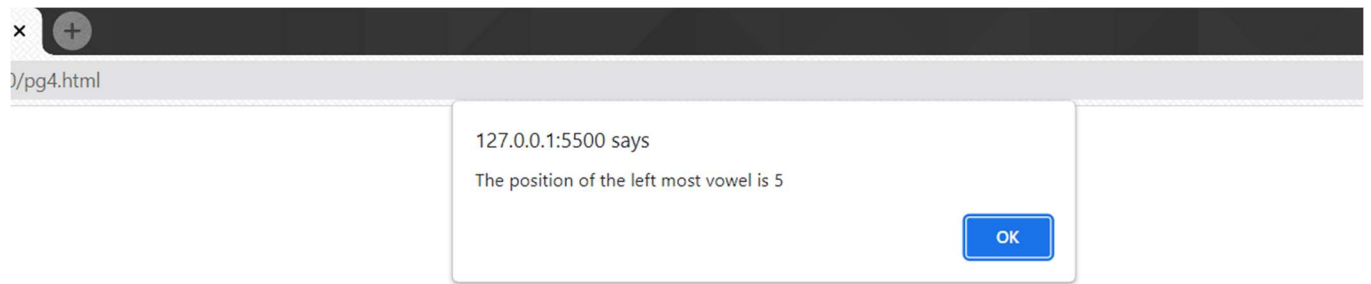


A screenshot of a web browser window with a single tab titled "127.0.0.1:5500/pg4.html". A modal dialog box is displayed in the center of the screen. The dialog box has a title bar that says "127.0.0.1:5500 says". Inside the dialog, the text "Reverse of 23456 is 65432" is displayed. At the bottom right of the dialog, there is a single button: "OK" (highlighted in blue).

Output 2: String Value test

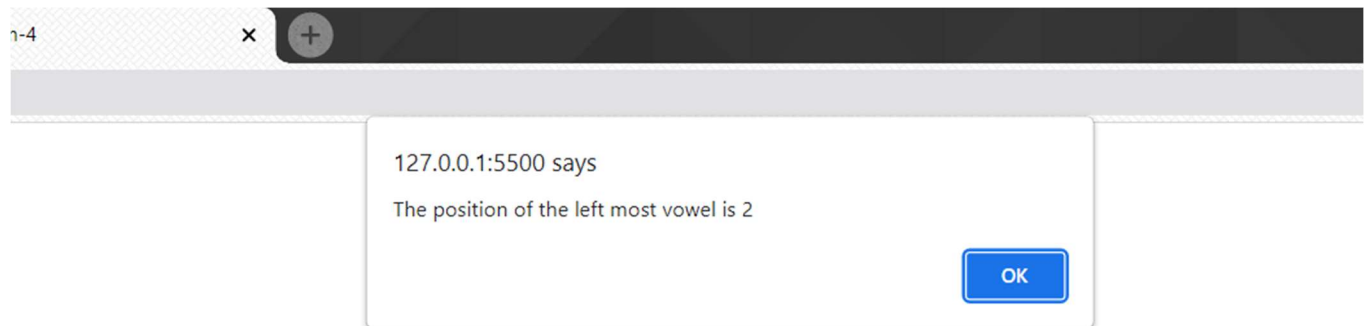
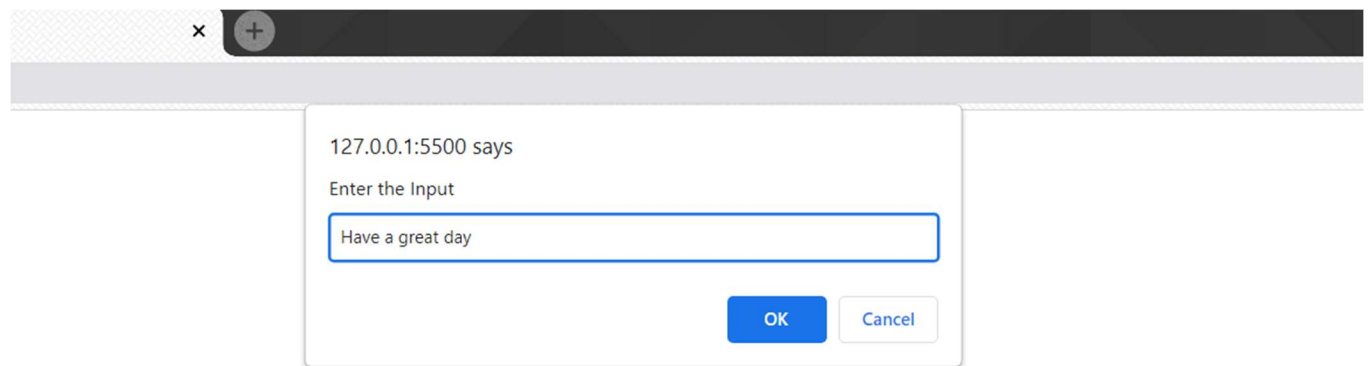


A screenshot of a web browser window with a single tab titled "127.0.0.1:5500/pg4.html". A modal dialog box is displayed in the center of the screen. The dialog box has a title bar that says "127.0.0.1:5500 says". Inside the dialog, the text "Enter the Input" is followed by a text input field containing the value "My name is pavan kuamr". At the bottom right of the dialog, there are two buttons: "OK" (highlighted in blue) and "Cancel".



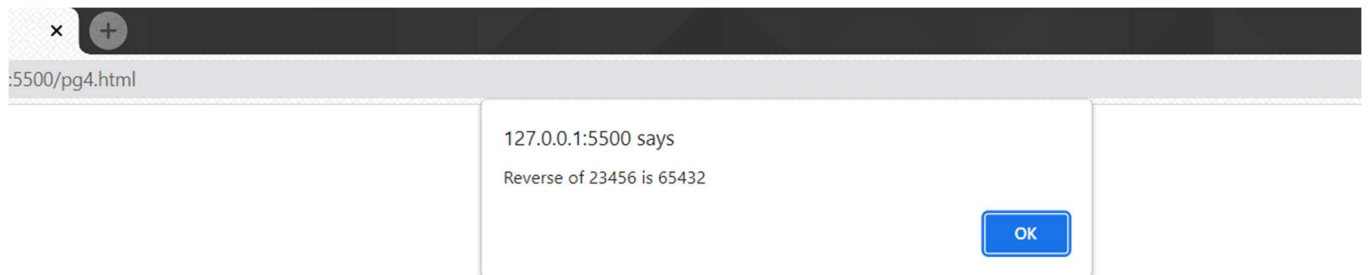
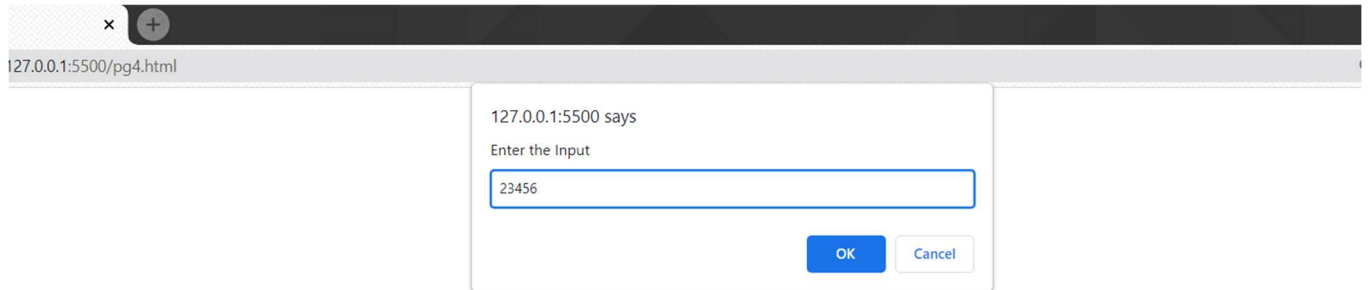
Case 1: Text Value

Output:



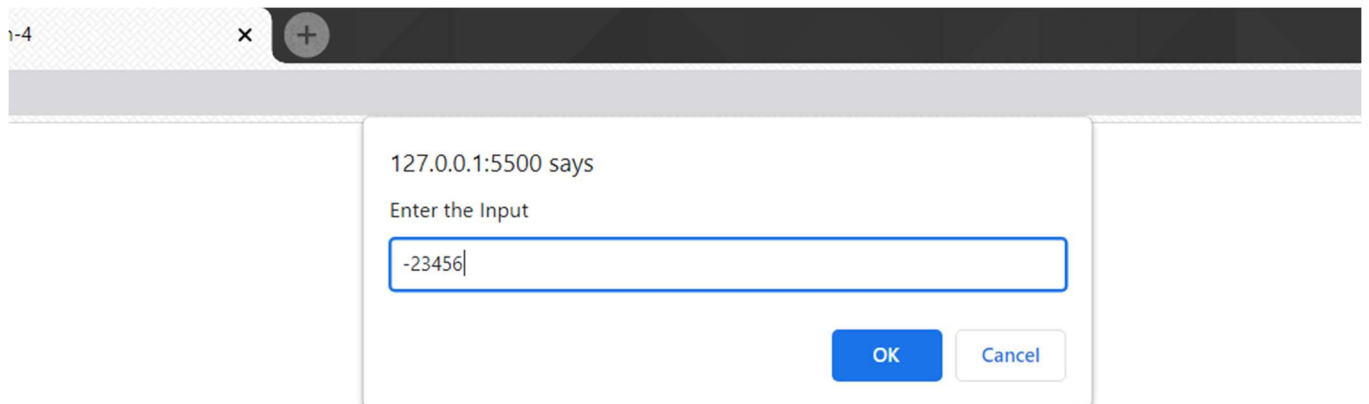
Integer value:

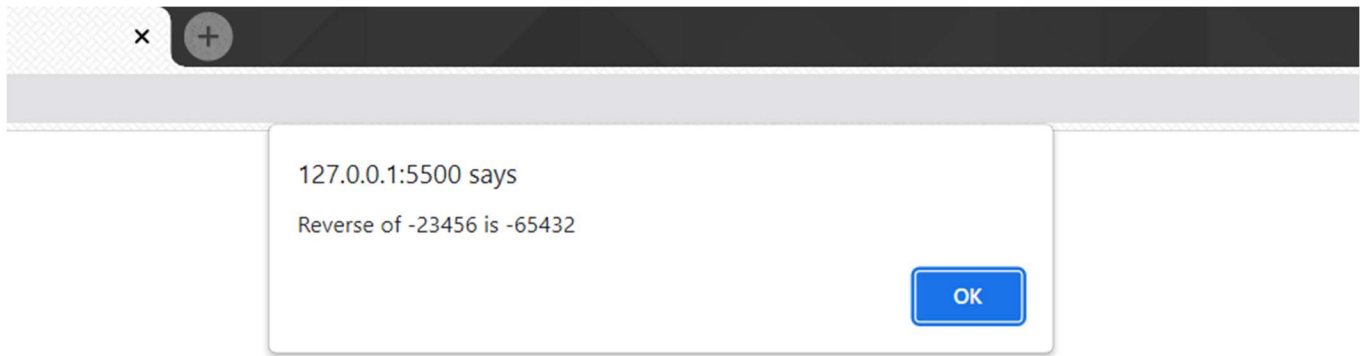
Output:



Case 2: Negative Integer value

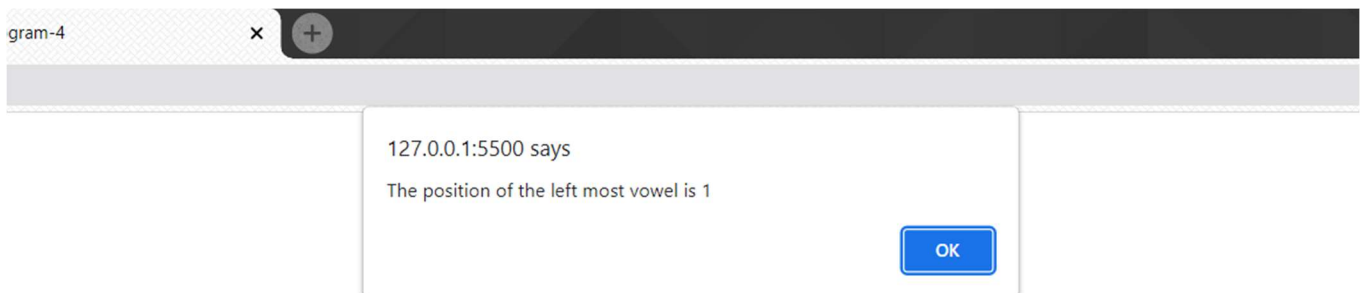
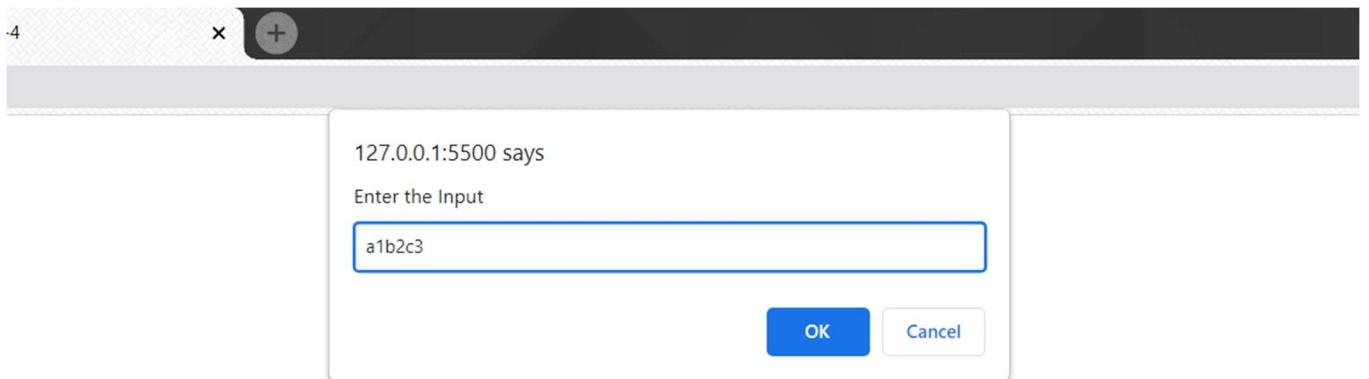
Output:





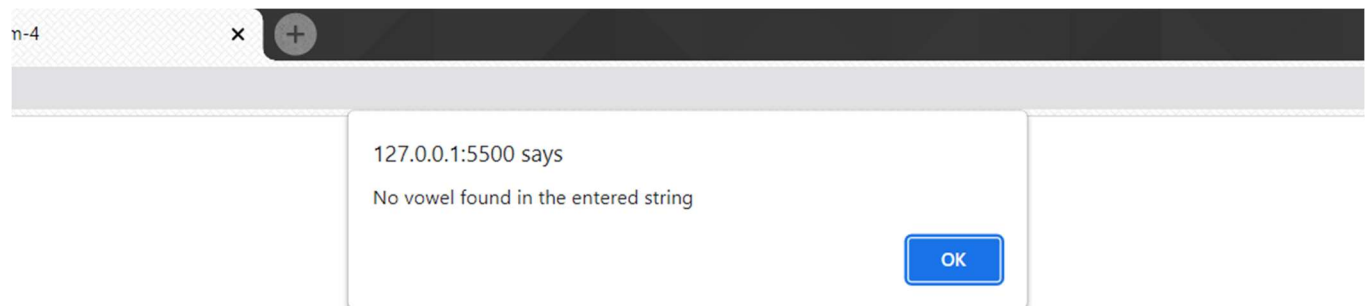
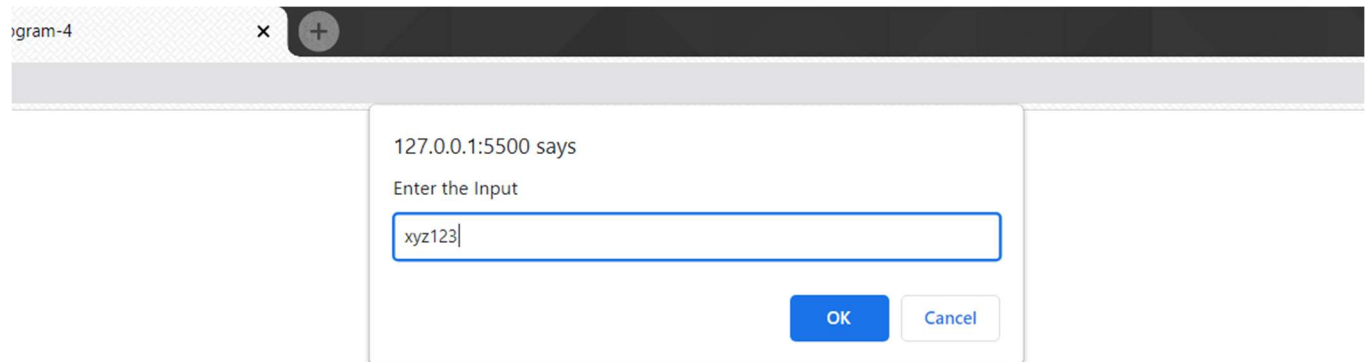
Case 3 : Alpha numerical value

Output:

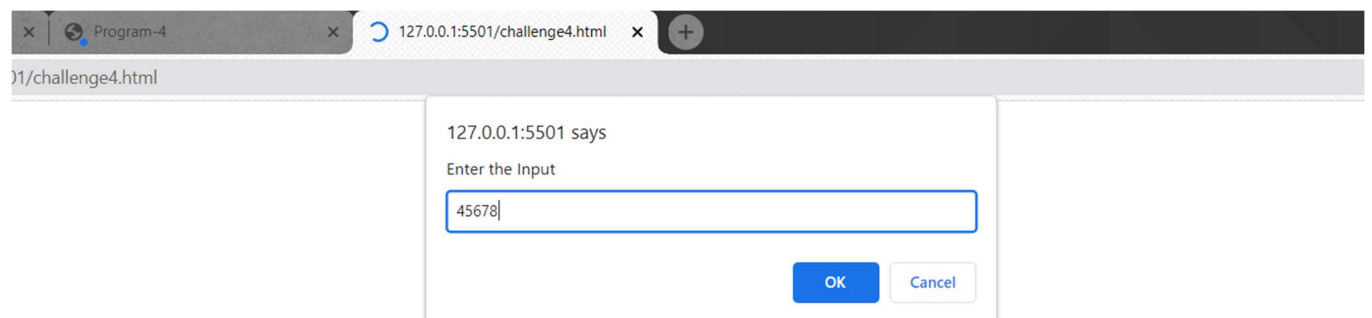


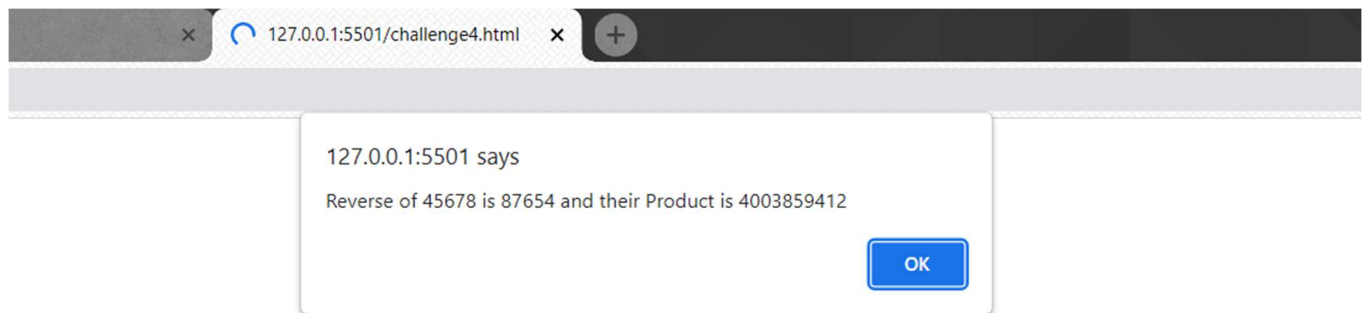
Case 4: Non vowel string

Output:



1.Same as above program by in place of displaying only reverse of string under Integer Value, display the product of actual Integer Entered and Reversed Integer





2. For character string, every vowel needs to be counted and the count should be displayed on the screen as shown bellow:

