

Program-4: Development 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

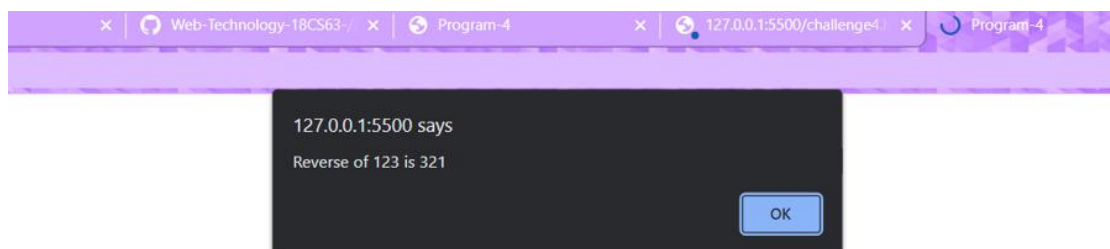
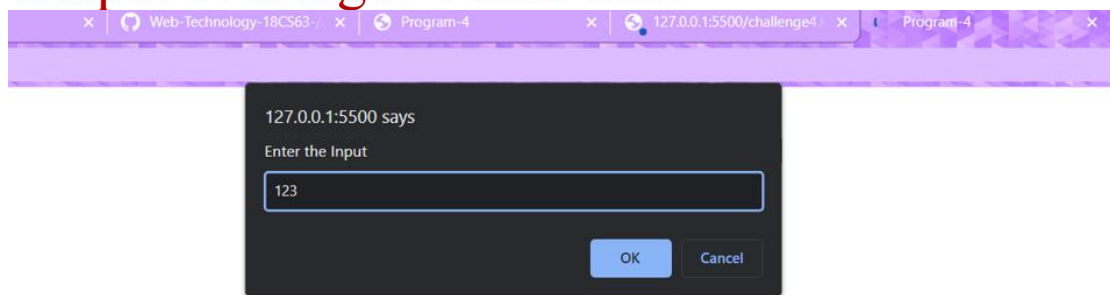
```
<!DOCTYPE HTML>
<html>
<head><title>Program-4</title></head>
<body>
  <script type="text/javascript">
    var str = prompt("Enter the Input", "");
    if (!isNaN(str)) //isNaN means is Not a Number
    {
      var num, rev = 0, remainder;
      num = parseInt(str);
      while (num != 0)
      {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

    else

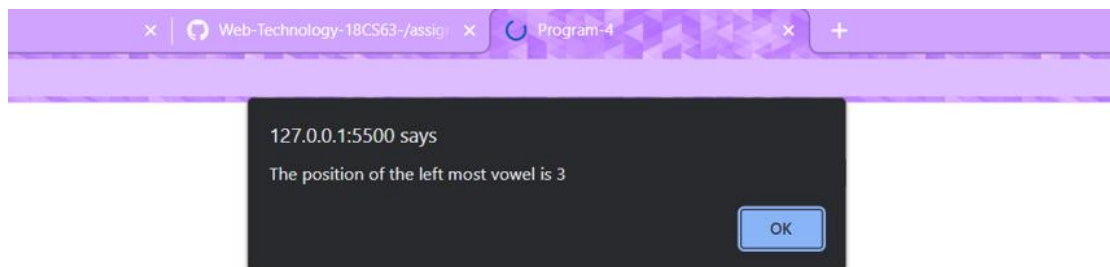
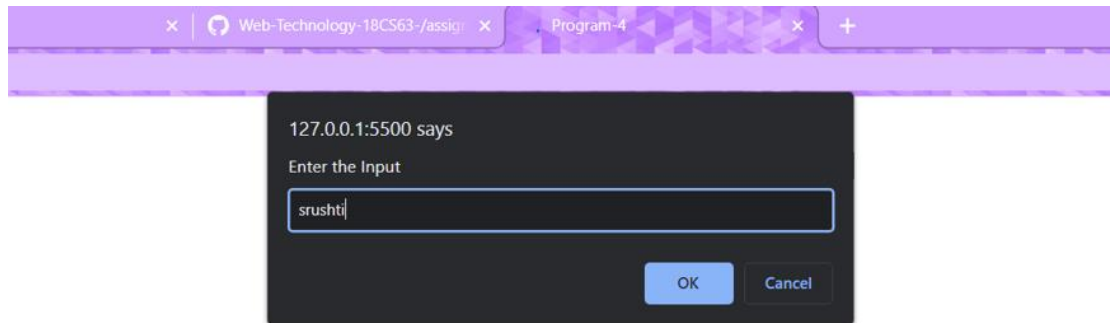
    {
      str = str.toUpperCase();
      for (var i = 0; i < str.length; i++) //0,1,2,3
      {
        var chr = str.charAt(i);
```

```
        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>
```

Output 1: Integer Value Test

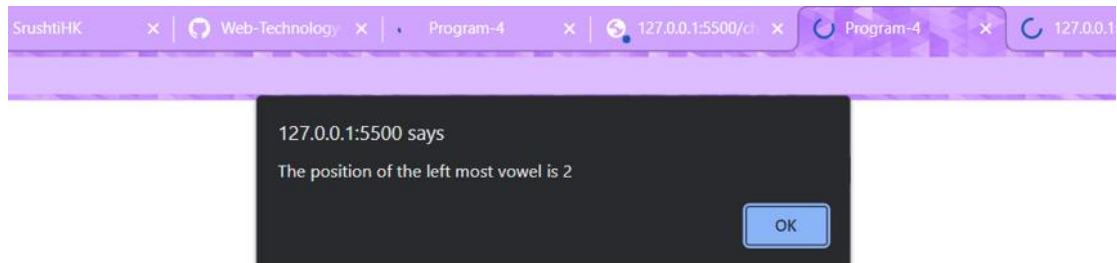
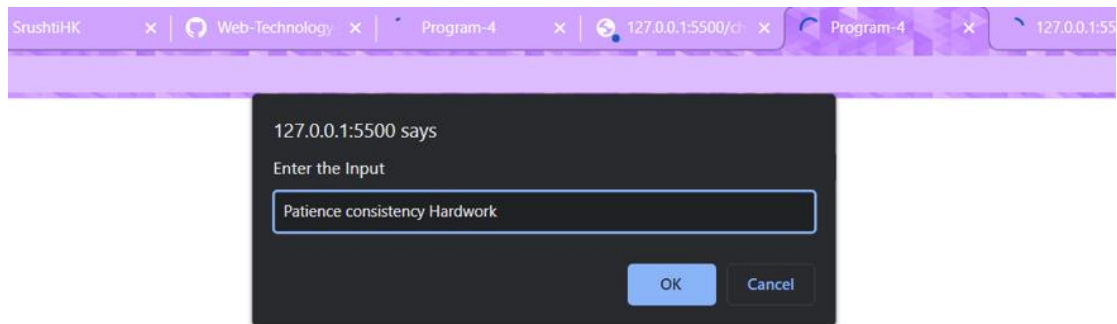


Output 2: String Value Test



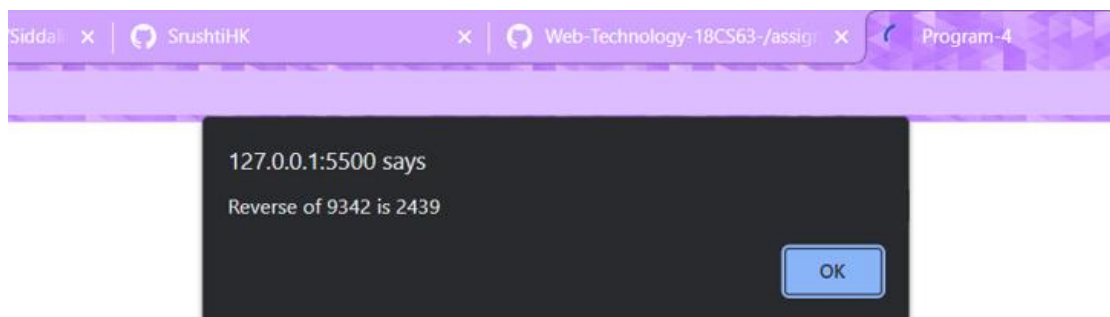
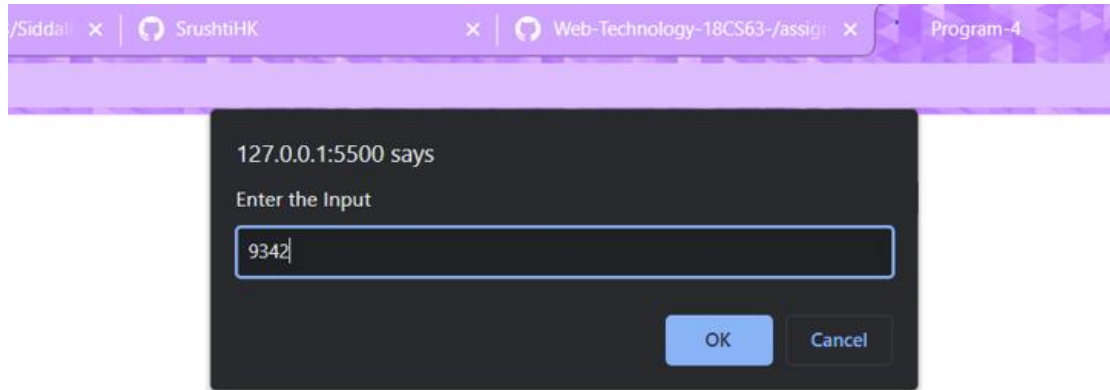
Case 1: Text Value

Output:



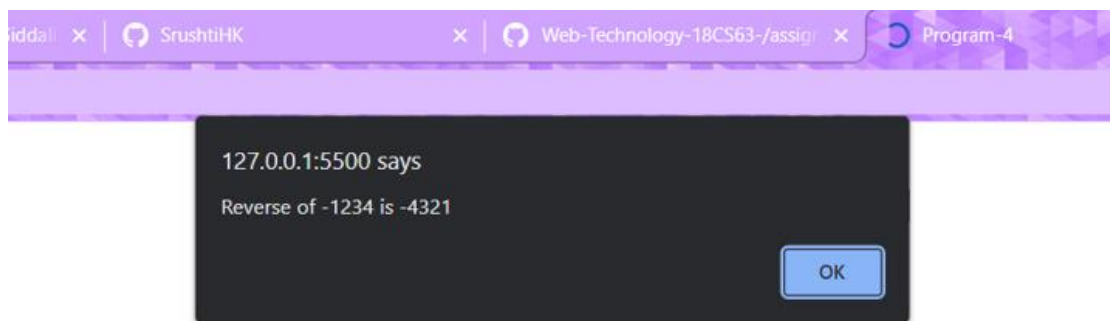
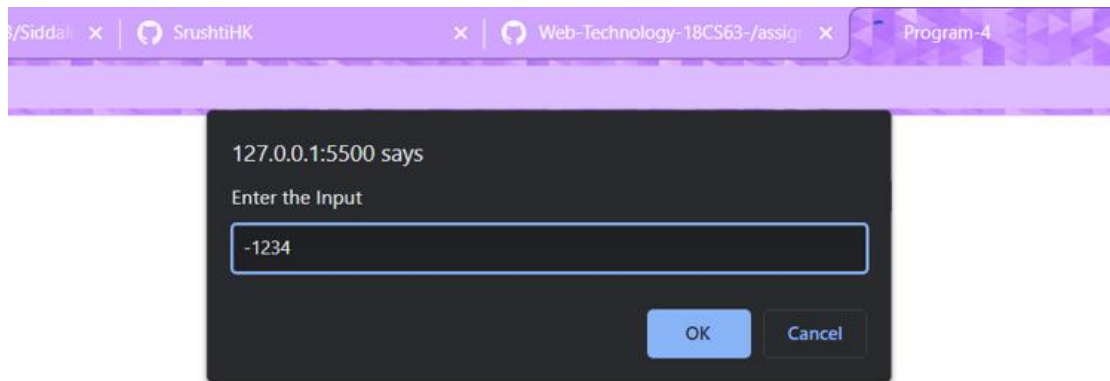
Integer Value

Output:



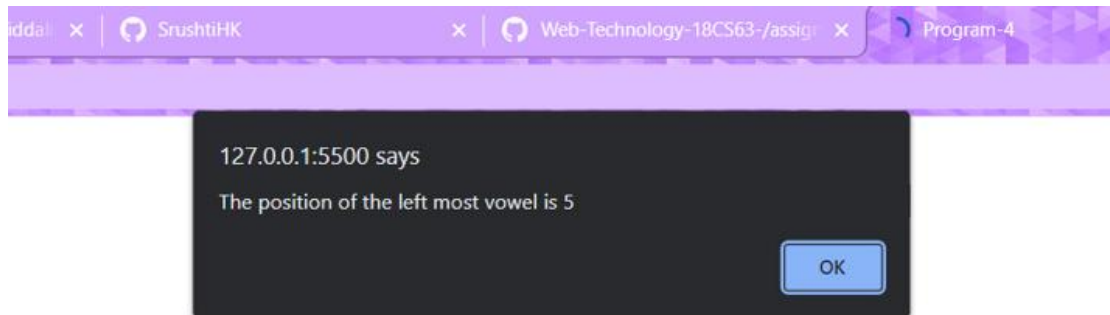
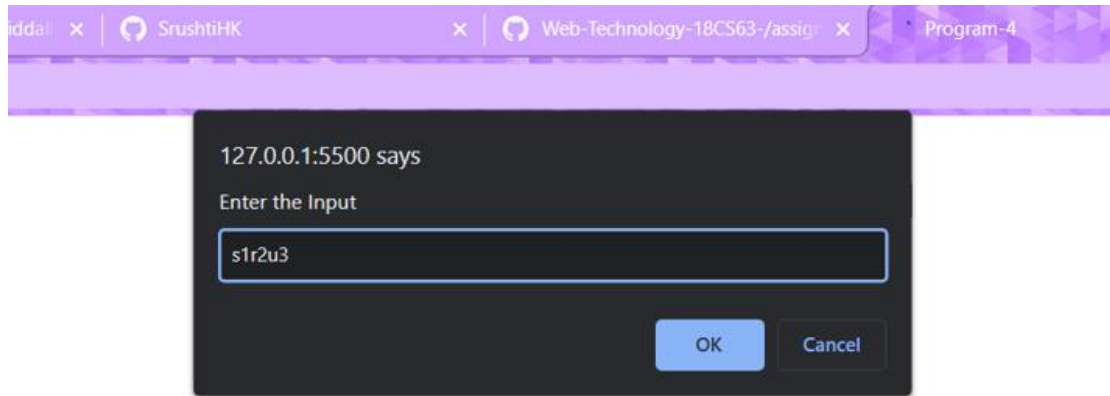
Case 2: Negative Integer value

Output



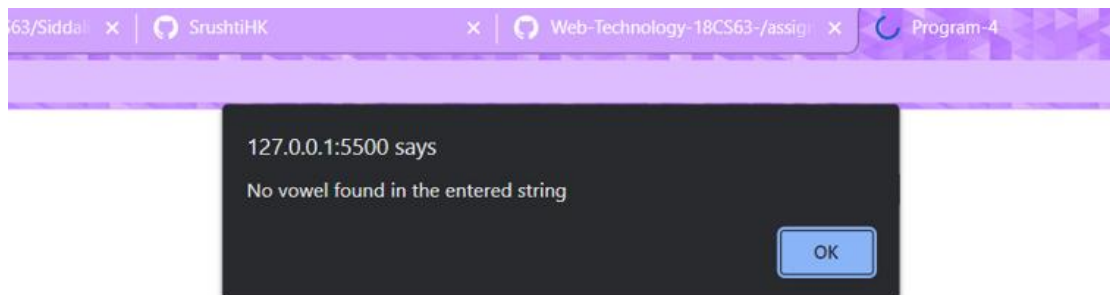
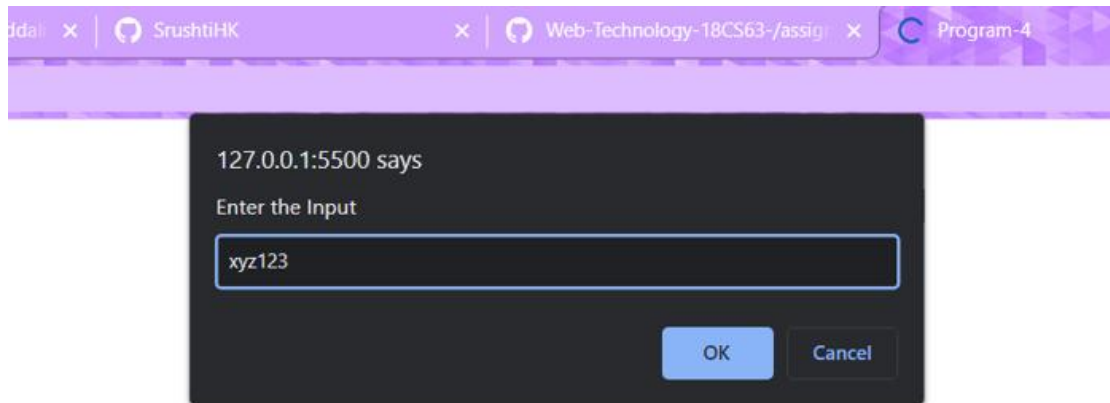
Case 3: Alpha Numerical Value

Output

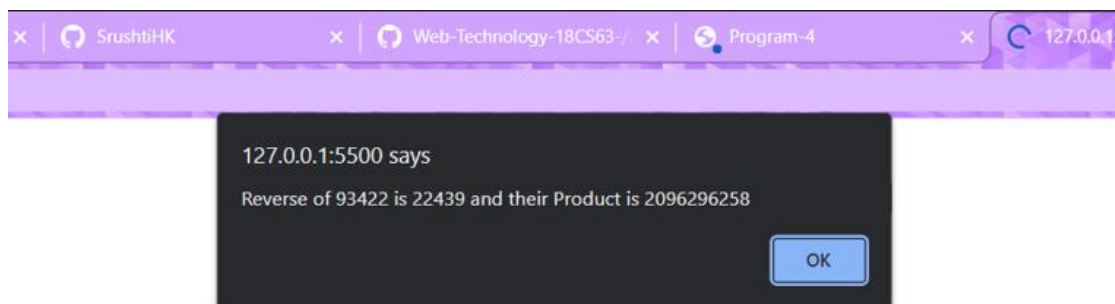
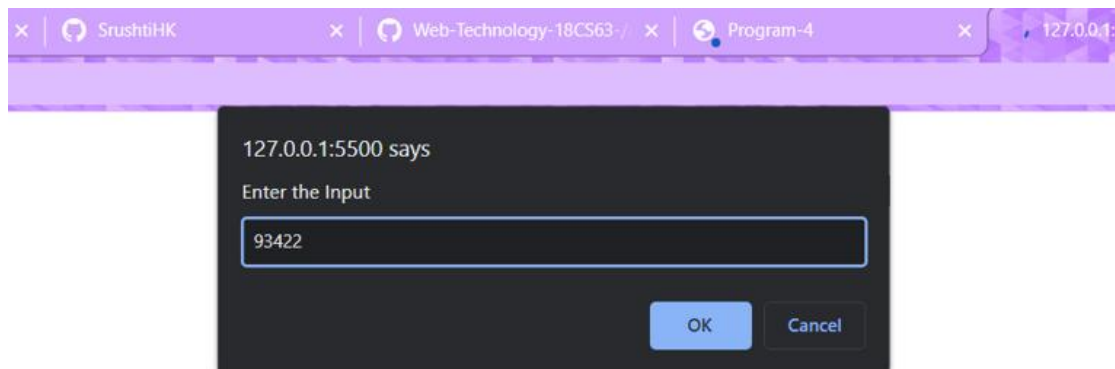


Case 4: Non Vowel String

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

