

Assignment-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);

    }

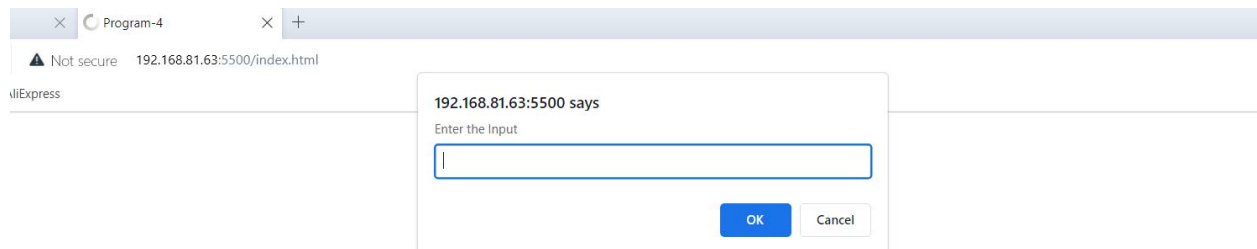
  </script>

</body>

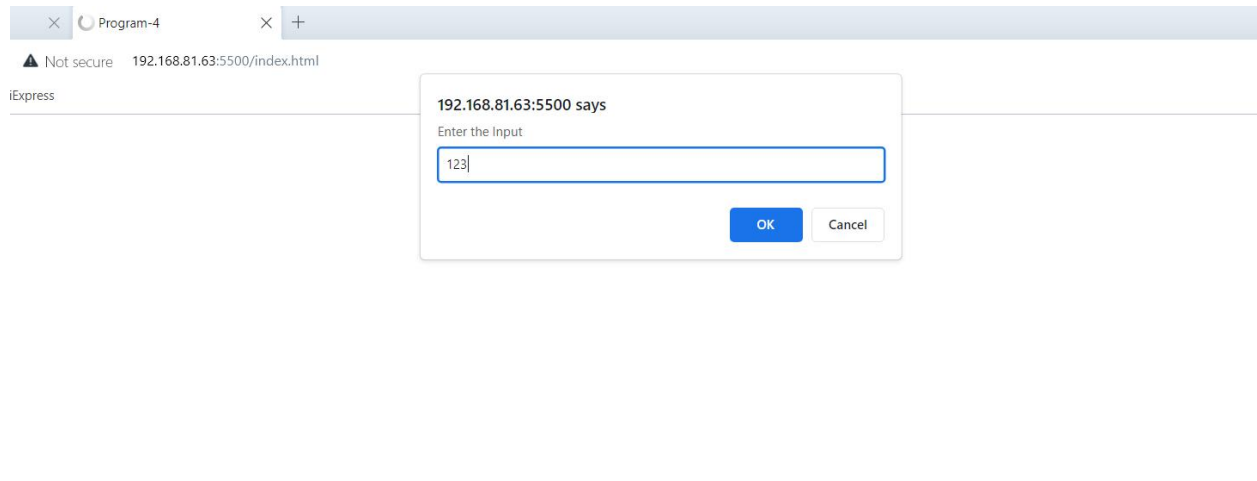
</html>
```

```
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>
```

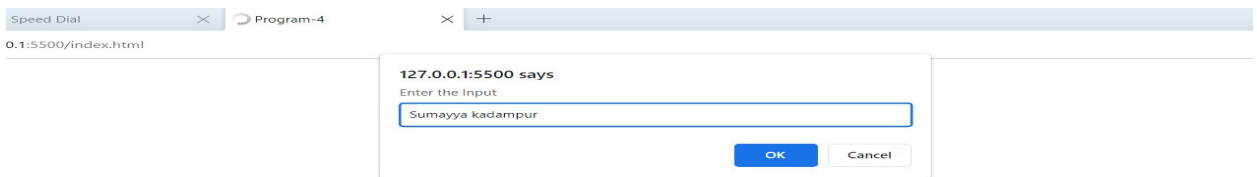
OUTPUT :



Output-1 :Integer Value test

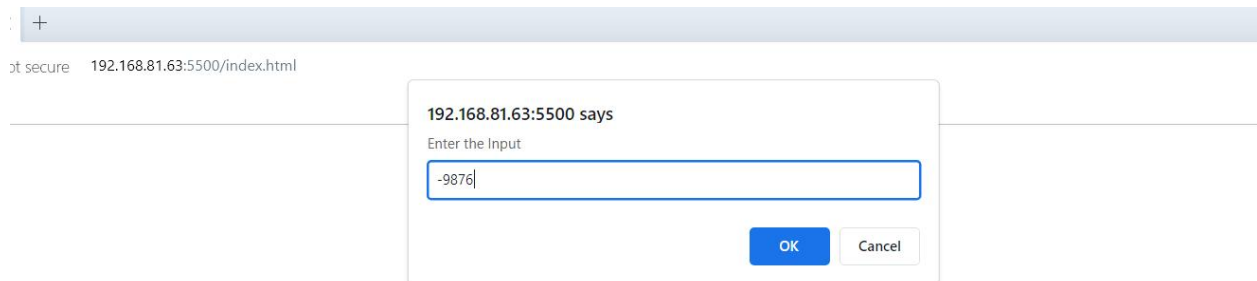


Output-2 :String Value test

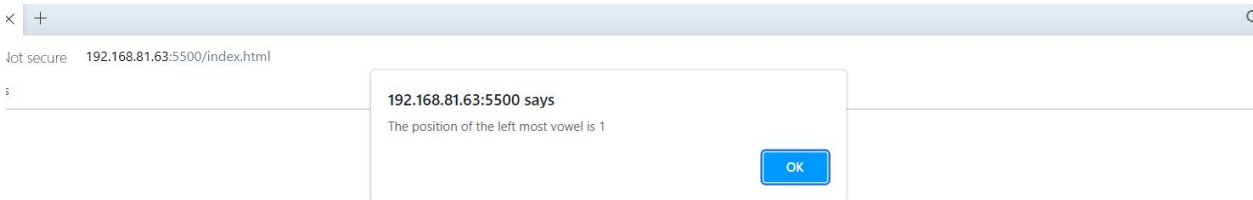
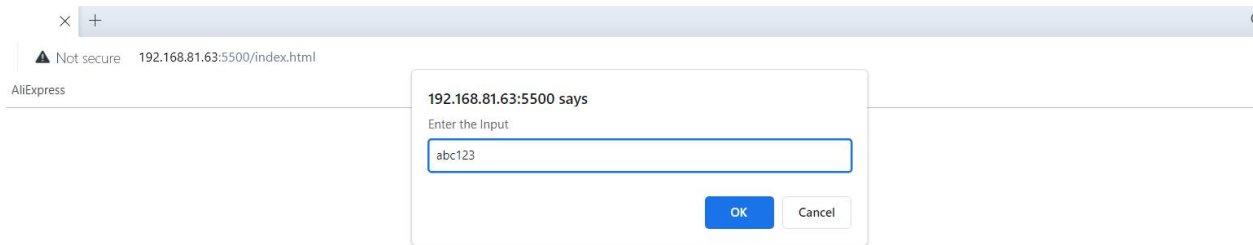




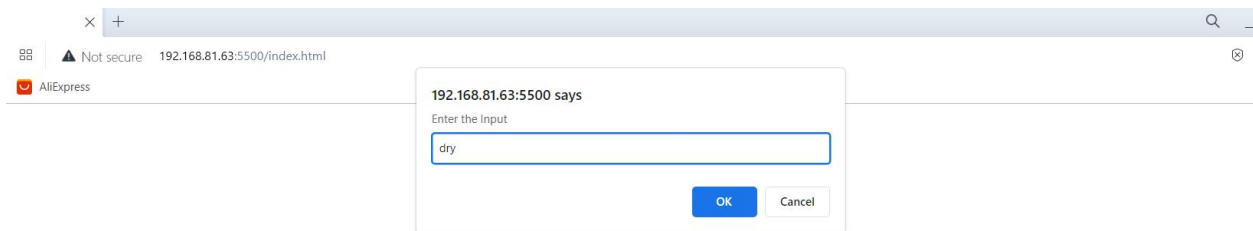
Output-3 :Negative Integer value

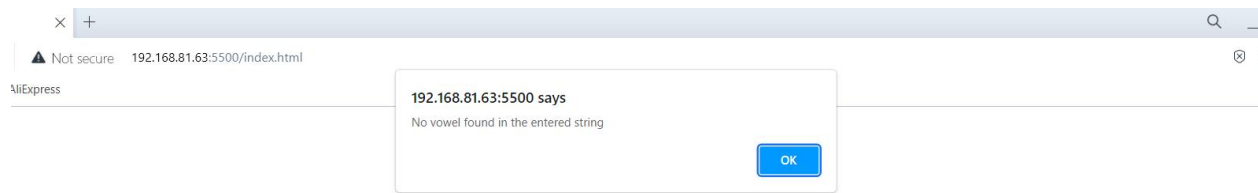


Output-4 :Alpha numerical value:



Output -5 :Non vowel string





CHALLENGE4.html

```
<!DOCTYPE HTML>
```

```
<html>
```

```
<head>
```

```
  <title>challenge-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, product;
```

```
      num = parseInt(str);
```

```
      while (num != 0) {
```

```
        remainder = num % 10;
```

```
        num = parseInt(num / 10);
```

```
        rev = rev * 10 + remainder;
```

```
      }
```

```
      product = parseInt(str) * rev;
```

```
        alert("Reverse of " + str + " is " + rev + "and their product is : " + product);
    }
    else {
        str = str.toUpperCase();
        count =0;
        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')
            {
                count++;
            }
        }
        if (count>0)
            alert("The given string : " + str + " has " + count + " number of vowels.");
        else
            alert("No vowel found in the entered string");
    }
</script>
</body>
</html>
```

OUTPUT :

