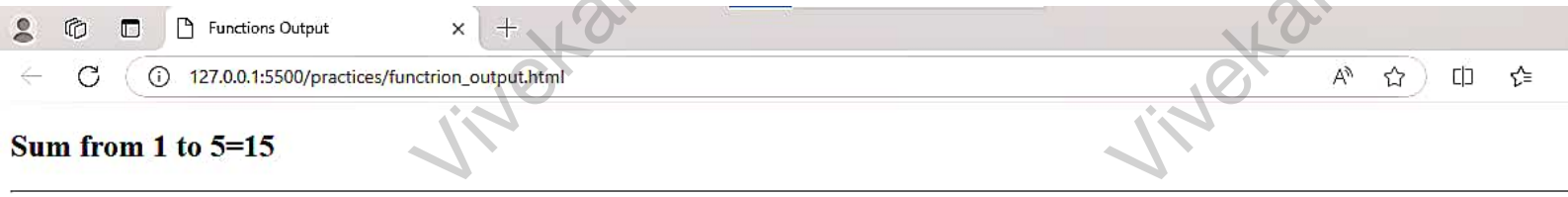
practices > JS function_practices.js > ...

```
1   // functions practices\
2   // ----------------------------------------
3   // 1)sum of previous number
4
5   function psum(){
6
7
8   var start = Number(prompt("Enter the range \n start from:"))
9   var end = Number(prompt("end from :"))
10  var sum = 0
11  for (let i=start;i<=end;i++){
12      sum=sum+i
13  }
14  document.write(`<h2>Sum from ${start} to ${end}=${sum}</h2>`)
15  }
16
17  psum()
```

practices > functrion_output.html > html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Functions Output</title>
    <script src="function_practices.js"></script>
</head>
<body>
    <hr>
</body>
</html>
```



Sum from 1 to 5=15

JS function_practices.js | functrion_output.html

practices > JS function_practices.js > sumOfEven_odd

```
20  //2)sum of even and odd number in specific range
21
22  // (Solution)=>
23
24  function sumOfEven_odd(){
25  var start = Number(prompt("Enter the range \n start from:"))
26  var end = Number(prompt("end from :"))
27  var sumOfEven = 0
28  var sumOfOdd = 0
29  for( let i=start;i<=end;i++){
30      if(i%2 != 0){
31          sumOfOdd=sumOfOdd+i
32      }
33      else{
34          sumOfEven=sumOfEven+i
35      }
36  }
37  document.write(`<h2>sum of even number's between ${start} and ${end} = ${sumOfEven}</h2><br>`)
38  document.write(`<h2>sum of odd number's between ${start} and ${end} = ${sumOfOdd}</h2>`)
39
40  }
41
42  sumOfEven_odd()
```

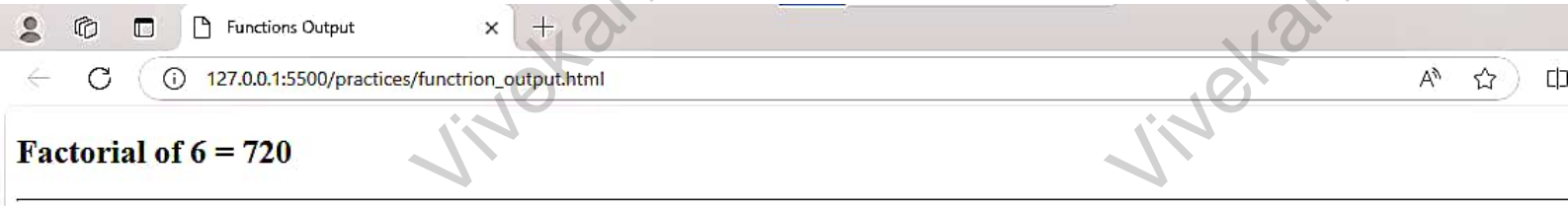
sum of even number's between 1 and 5 = 6

sum of odd number's between 1 and 5 = 9

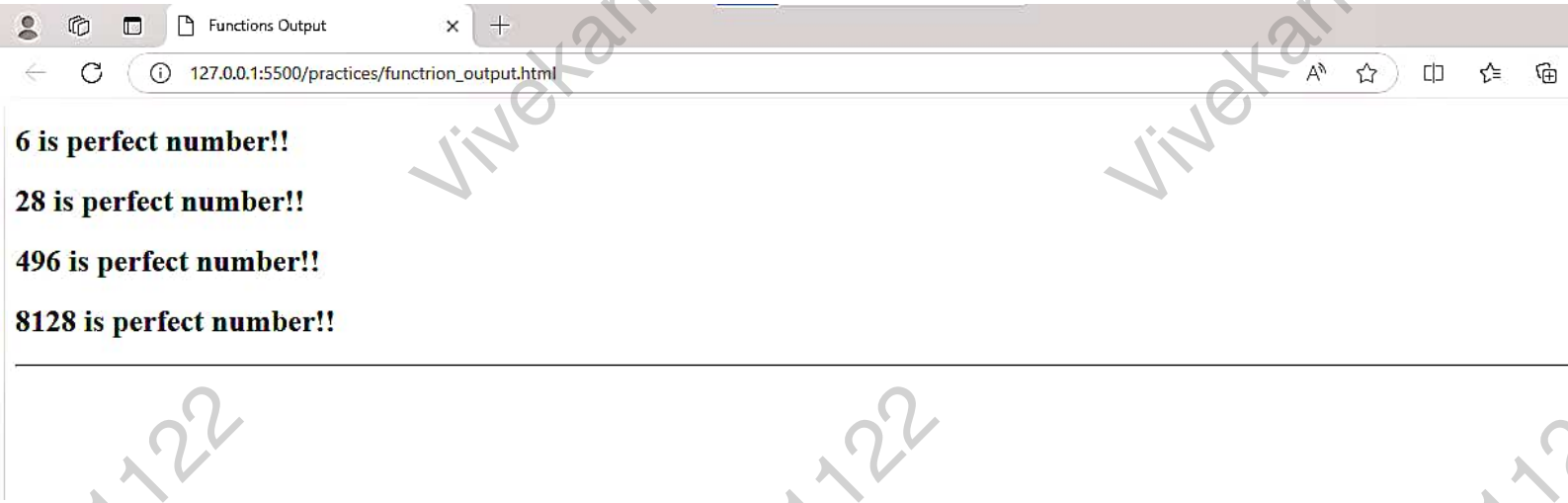
JS function_practices.js ✕ | functrion_output.html | JS practices.js

practices > JS function_practices.js > ...

```
44  // ------------------------------------------------------
45  // 2) WAP to print factorial of any specific Number.
46  // (Solution)=>
47
48  function factorial(n) {
49      var fact = 1
50      for (let i = n; i >= 1; i--) {
51          fact = fact * i
52      }
53      document.write(`<h2>Factorial of ${n} = ${fact}</h2>`)
54
55
56  }
57
58  factorial(6)
```



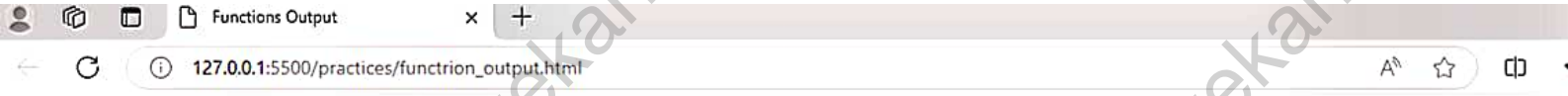
Factorial of 6 = 720



JS function_practices.js | functrion_output.html | JS practices.js

practices > JS function_practices.js > ...

```
89  // 5)WAP to check wether a number is prime number or not.
90  // (Solution)=>
91
92  function prime(n) {
93
94      var flag = false
95      for (let i = 2; i <= n ** 0.5; i++) {
96          if (n % i == 0) {
97              flag = true
98              break
99          }
100     }
101     if (flag === false && n >= 2)
102         document.write(`<h2>${n} is Prime</h2>`)
103     else
104         document.write(`<h2>${n} is not prime</h2>`)
105 }
106
107 prime(2)
108 prime(13)
109 prime(20)
110
```



2 is Prime

13 is Prime

20 is not prime

JS function_practices.js ● | JS practices.js | functrion_output.html

Mern10am > practices > JS function_practices.js > fibonacci

```
111  // ------------------------------------------------
112  // 6) WAP to fibonacci series.
113  // (Solution)=>
114
115  function fibonacci(n){
116  var a = 0
117  var b = 1
118  var sum = a + b
119
120  document.write(`<h2>fibonacci series till ${n} = > <br><hr>${a}<br>${b}</h2>`)
121
122  while (sum <= n) {
123      document.write(`<h2>${sum}</h2>`)
124      a = b
125      b = sum
126      sum = a + b
127  }
128  }
129
130  fibonacci(20)
131  fibonacci(100)
132
```

fibonacci series till 20 = >

0
1

1

2

3

5

8

13

fibonacci series till 100 = >

0
1

1

2

3

5

8

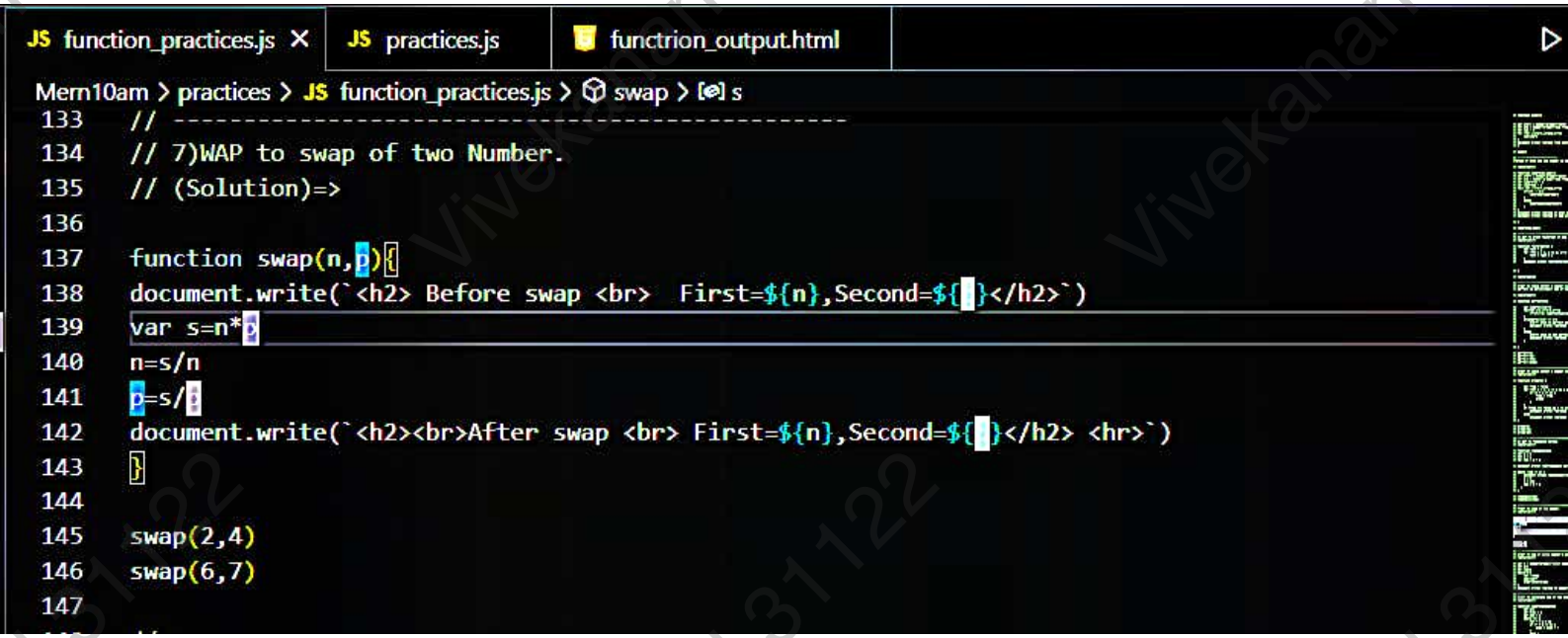
13

21

34

55

89

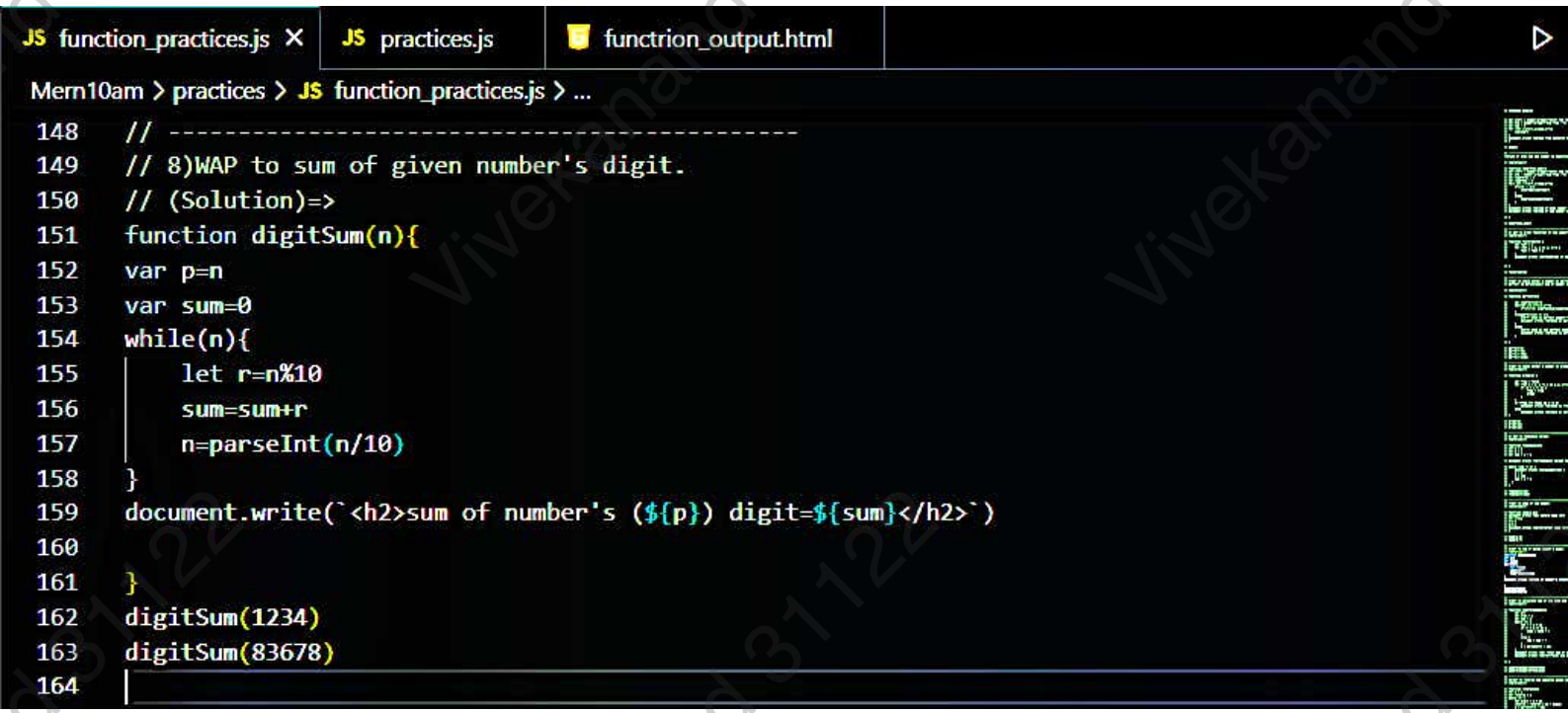

JS function_practices.js
JS practices.js
functrion_output.html
Mern10am > practices > JS function_practices.js > swap > s
133 // ----------
134 // 7)WAP to swap of two Number.
135 // (Solution)=>
136
137 function swap(n,p){
138 document.write(`<h2> Before swap <br> First=${n},Second=${p}</h2>`)
139 var s=n*p
140 n=s/n
141 p=s/n
142 document.write(`<h2><br>After swap <br> First=${n},Second=${p}</h2> <hr>`)
143 }
144
145 swap(2,4)
146 swap(6,7)
147

Before swap
First=2,Second=4

After swap
First=4,Second=2

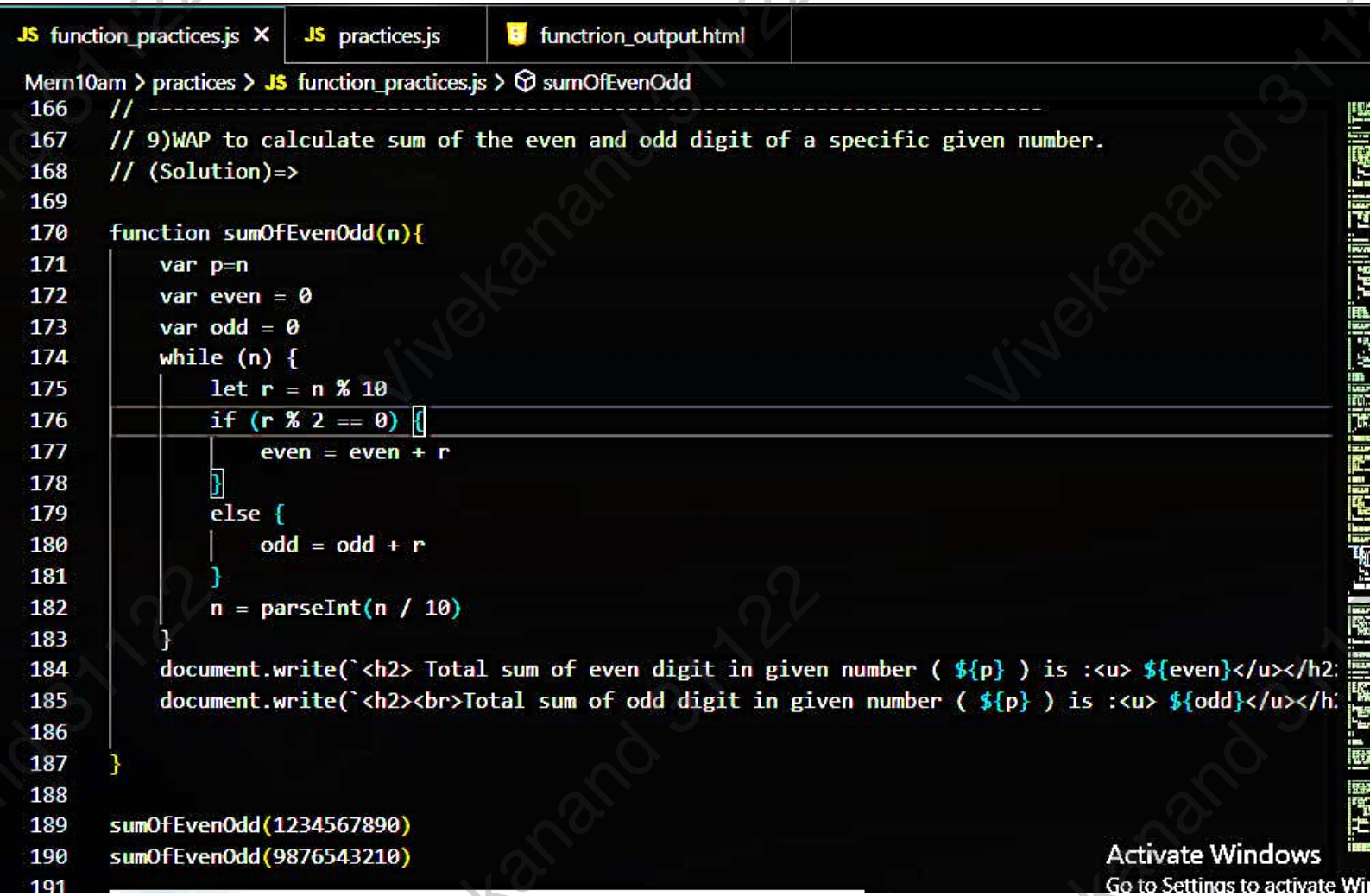
Before swap
First=6,Second=7

After swap
First=7,Second=6



sum of number's (1234) digit=10

sum of number's (83678) digit=32

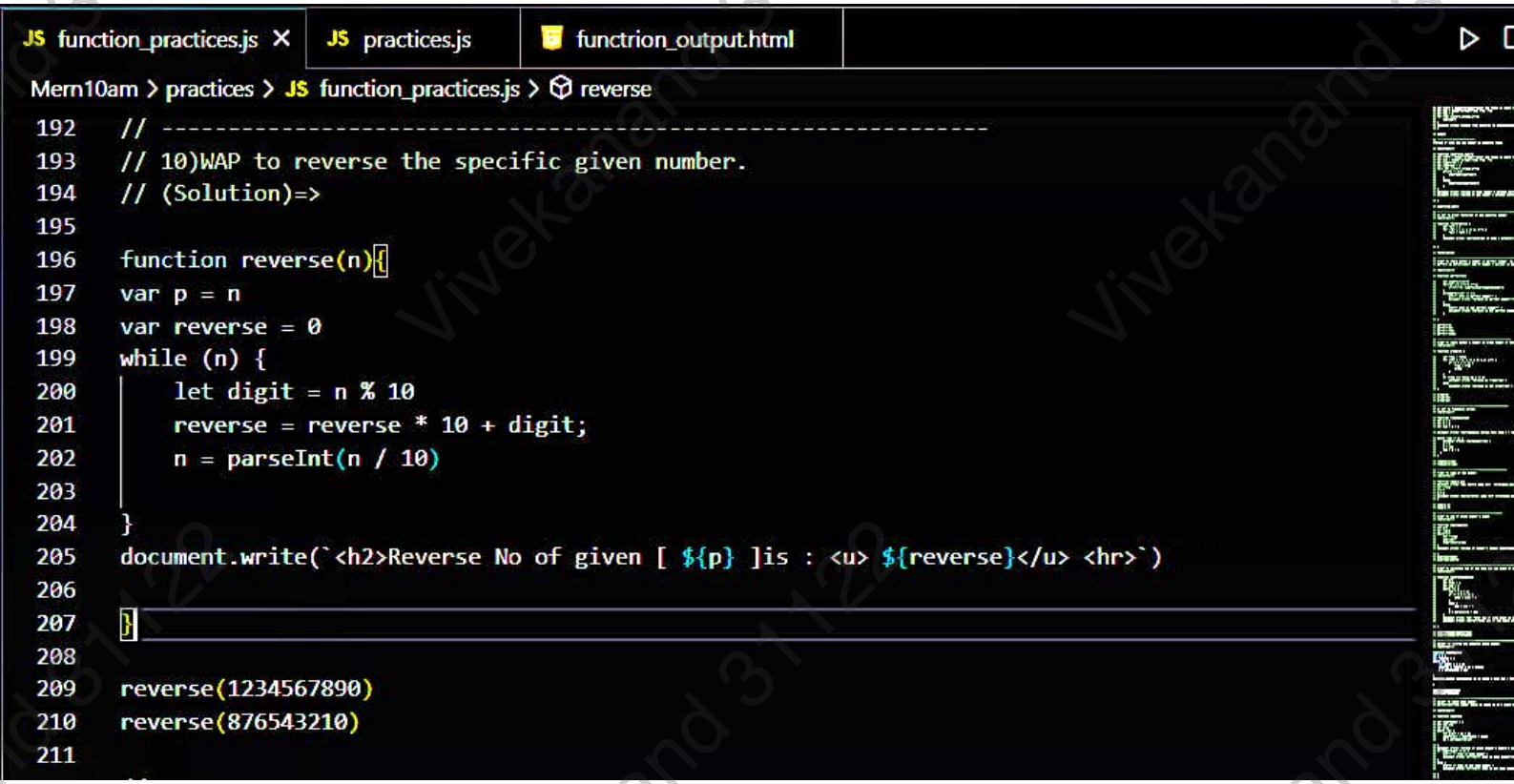

JS function_practices.js
JS practices.js
functrion_output.html
Mern10am > practices > JS function_practices.js > sumOfEvenOdd
// ----------
// 9)WAP to calculate sum of the even and odd digit of a specific given number.
// (Solution)=>
function sumOfEvenOdd(n){
var p=n
var even = 0
var odd = 0
while (n) {
let r = n % 10
if (r % 2 == 0) {
even = even + r
}
else {
odd = odd + r
}
n = parseInt(n / 10)
}
document.write(`<h2> Total sum of even digit in given number (${p}) is :<u> ${even}</u></h2
document.write(`<h2>
Total sum of odd digit in given number (${p}) is :<u> ${odd}</u></h
}
sumOfEvenOdd(1234567890)
sumOfEvenOdd(9876543210)
Activate Windows
Go to Settings to activate Wi

Total sum of even digit in given number (1234567890) is : 20

Total sum of odd digit in given number (1234567890) is : 25

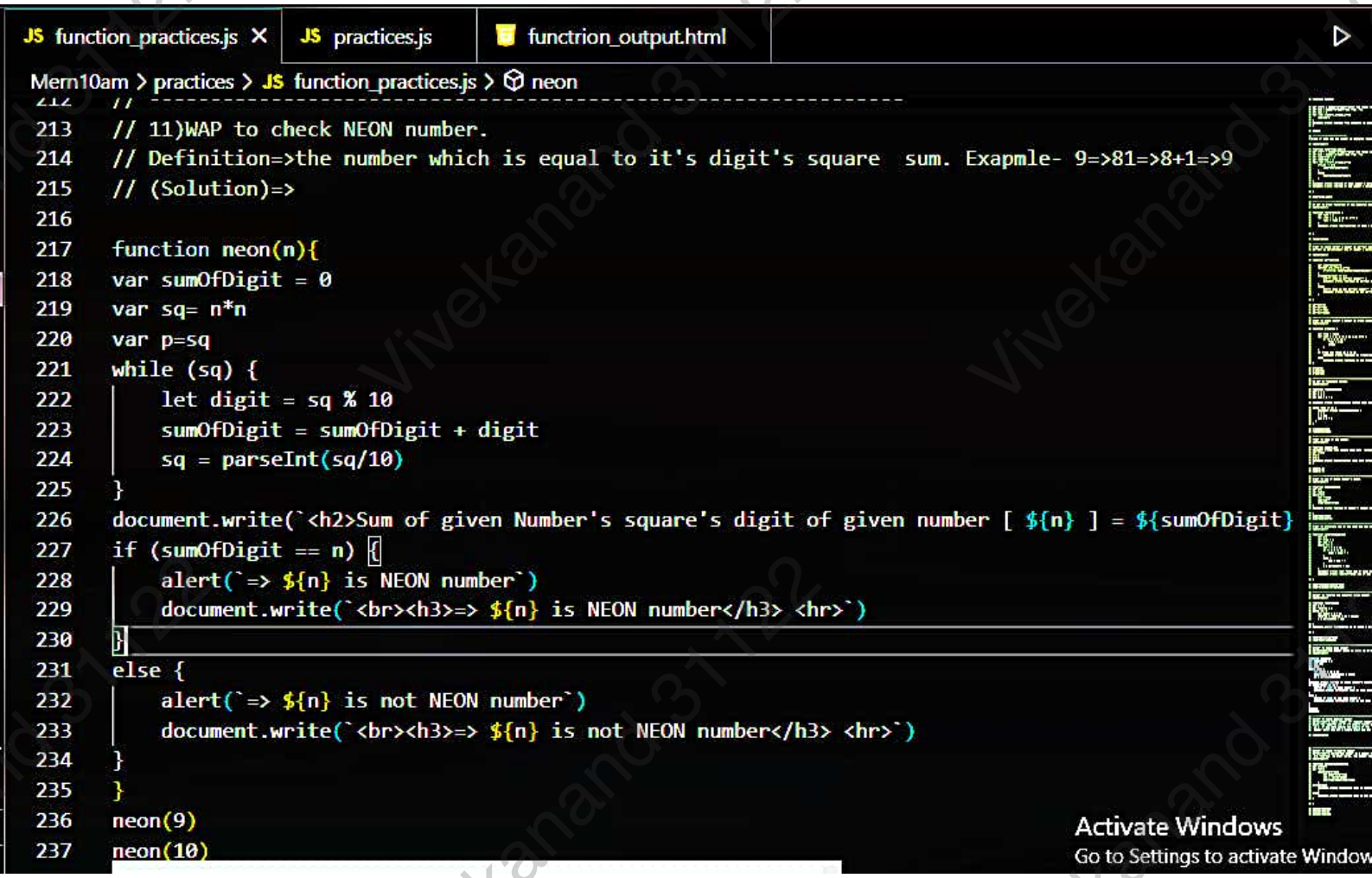
Total sum of even digit in given number (9876543210) is : 20

Total sum of odd digit in given number (9876543210) is : 25


function_practices.js
practices.js
functrion_output.html
Mern10am > practices > function_practices.js > reverse
// --
// 10)WAP to reverse the specific given number.
// (Solution)=>
function reverse(n){
var p = n
var reverse = 0
while (n) {
let digit = n % 10
reverse = reverse * 10 + digit;
n = parseInt(n / 10)
}
document.write(`<h2>Reverse No of given [ ${p} ]is : <u> ${reverse}</u> <hr>`)
}
reverse(1234567890)
reverse(876543210)

Reverse No of given [1234567890]is : 987654321

Reverse No of given [876543210]is : 12345678


function_practices.js
practices.js
functrion_output.html
Mern10am > practices > function_practices.js > neon
// 11)WAP to check NEON number.
// Definition=>the number which is equal to it's digit's square sum. Exapmle- 9=>81=>8+1=>9
// (Solution)=>
function neon(n){
var sumOfDigit = 0
var sq= n*n
var p=sq
while (sq) {
let digit = sq % 10
sumOfDigit = sumOfDigit + digit
sq = parseInt(sq/10)
}
document.write(`<h2>Sum of given Number's square's digit of given number [${n}] = ${sumOfDigit}
if (sumOfDigit == n) {
alert(`=> ${n} is NEON number`)
document.write(`<br><h3>=> ${n} is NEON number</h3> <hr>`)
}
else {
alert(`=> ${n} is not NEON number`)
document.write(`<br><h3>=> ${n} is not NEON number</h3> <hr>`)
}
}
neon(9)
neon(10)
Activate Windows
Go to Settings to activate Window

Sum of given Number's square's digit of given number [9] = 9
Square of given number is :[81]

=> 9 is NEON number

Sum of given Number's square's digit of given number [10] = 1
Square of given number is :[100]

=> 10 is not NEON number
