


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 > function_output.html > html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Functions Output</title>
7      <script src="function_practices.js"></script>
8  </head>
9  <body>
10     <hr>
11 </body>
12 </html>
```



Sum from 1 to 5=15

JS function_practices.js X

function_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 × function_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 × function_output.html JS practices.js

practices > JS function_practices.js > ...
61 // 4)WAP to check wether a number is perfect number. [6,28,496,8128]
62 // perfect no definition=> Sum of number's divisor is equal to given number is perfect number. Ex
63
64 // (Solution)=>
65
66 function perfect(n){
67
68     var sumOfDivisor=0
69     for(let i=1;i<=n/2;i++){
70         if(n%i==0) sumOfDivisor=sumOfDivisor+i
71     }
72     if(sumOfDivisor == n){
73         alert(`${n} is perfect number!!`)
74         document.write(`<h2>${n} is perfect number!!</h2>`)
75     }
76     else{
77         alert(`${n} is Not perfect number!!`)
78         document.write(`<h2>${n} is Not perfect number!!</h2>`)
79     }
80 }
81
82
83 perfect(6)
84 perfect(28)
85 perfect(496)
86 perfect(8128)
```




6 is perfect number!!
28 is perfect number!!
496 is perfect number!!
8128 is perfect number!!

```
JS function_practices.js X function_output.html JS practices.js
practices > JS function_practices.js > ...
89 // 5)WAP to check whether a number is prime number or not.
90 // (Solution)=>
91
92 function prime(n) {
93     var flag = false
94     for (let i = 2; i <= n ** 0.5; i++) {
95         if (n % i == 0) {
96             flag = true
97             break
98         }
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 function_output.html
Mem10am > 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

Functions Output

127.0.0.1:5500/Mern10am/practices/function_output.html

fibonacci series till 100 =>

0
1
1
2
3
5
8
13
21
34
55
89

Activate
Go to Set

```
JS function_practices.js X JS practices.js function_output.html
Mem10am > practices > JS function_practices.js > swap > [e] 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/p
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
```


Functions Output

127.0.0.1:5500/Mern10am/practices/function_output.html

Before swap
First=2,Second=4

After swap
First=4,Second=2

Before swap
First=6,Second=7

After swap
First=7,Second=6

```
JS function_practices.js × JS practices.js function_output.html ▶
Mem10am > practices > JS function_practices.js > ...
148 // -----
149 // 8)WAP to sum of given number's digit.
150 // (Solution)=>
151 function digitSum(n){
152   var p=n
153   var sum=0
154   while(n){
155     let r=n%10
156     sum=sum+r
157     n=parseInt(n/10)
158   }
159   document.write(`<h2>sum of number's (${p}) digit=${sum}</h2>`)
160
161 }
162 digitSum(1234)
163 digitSum(83678)
164
```

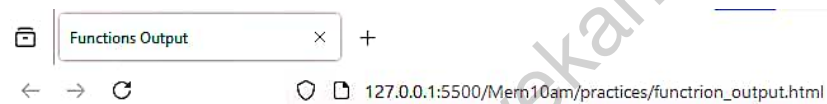


sum of number's (1234) digit=10

sum of number's (83678) digit=32

```
JS function_practices.js X JS practices.js function_output.html
Mem10am > practices > JS function_practices.js > sumOfEvenOdd
166 // -----
167 // 9)WAP to calculate sum of the even and odd digit of a specific given number.
168 // (Solution)=>
169
170 function sumOfEvenOdd(n){
171     var p=n
172     var even = 0
173     var odd = 0
174     while (n) {
175         let r = n % 10
176         if (r % 2 == 0) {
177             even = even + r
178         }
179         else {
180             odd = odd + r
181         }
182         n = parseInt(n / 10)
183     }
184     document.write('<h2> Total sum of even digit in given number ( ${p} ) is :<u> ${even}</u></h2>')
185     document.write('<h2><br>Total sum of odd digit in given number ( ${p} ) is :<u> ${odd}</u></h2>')
186 }
187
188
189 sumOfEvenOdd(1234567890)
190 sumOfEvenOdd(9876543210)
191
```

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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

```
JS function_practices.js X JS practices.js function_output.html
Mem10am > practices > JS function_practices.js > reverse
192 // -----
193 // 10)WAP to reverse the specific given number.
194 // (Solution)=>
195
196 function reverse(n){
197     var p = n
198     var reverse = 0
199     while (n) {
200         let digit = n % 10
201         reverse = reverse * 10 + digit;
202         n = parseInt(n / 10)
203     }
204 }
205 document.write(`<h2>Reverse No of given [ ${p} ] is : <u> ${reverse}</u> <hr>`)
206
207
208
209 reverse(1234567890)
210 reverse(876543210)
211
```



Reverse No of given [1234567890]is : 987654321

Reverse No of given [876543210]is : 12345678

JS function_practices.js X

JS practices.js

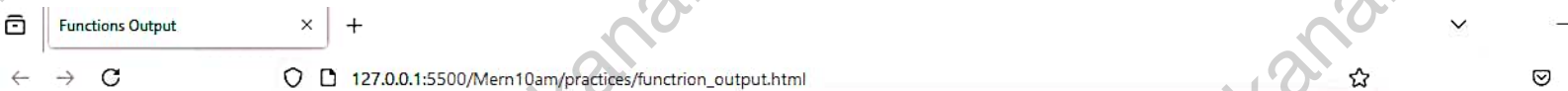
function_output.html

Mem10am > practices > JS function_practices.js > neon

```
212 // -----
213 // 11)WAP to check NEON number.
214 // Definition=>the number which is equal to it's digit's square sum. Exapmle- 9=>81=>8+1=>9
215 // (Solution)=>
216
217 function neon(n){
218   var sumOfDigit = 0
219   var sq= n*n
220   var p=sq
221   while (sq) {
222     let digit = sq % 10
223     sumOfDigit = sumOfDigit + digit
224     sq = parseInt(sq/10)
225   }
226   document.write(`<h2>Sum of given Number's square's digit of given number [ ${n} ] = ${sumOfDigit}`)
227   if (sumOfDigit == n) {
228     alert(`=> ${n} is NEON number`)
229     document.write(`<br><h3>=> ${n} is NEON number</h3> <hr>`)
230   }
231   else {
232     alert(`=> ${n} is not NEON number`)
233     document.write(`<br><h3>=> ${n} is not NEON number</h3> <hr>`)
234   }
235 }
236 neon(9)
237 neon(10)
```

Activate Windows

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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