

## JAVASCRIPT ASSIGNMENTS

The image shows a Notepad++ editor window and a web browser window. The Notepad++ window displays an HTML file named 'sum of n numbers.html' with the following code:

```
1 <html>
2 <head>
3 <title>Sum of a numbers</title>
4 <script type = "text/javascript">
5   var num = window.prompt("Enter number:", "");
6   var n = parseInt(num);
7   result = sumnaturalnumber(n);
8   window.alert("The sum of " + n + " natural number is " + result);
9   function sumnaturalnumber(n)
10  {
11    var i;
12    var sum = 0;
13    for(i = 1; i <= n; i++){
14      sum = sum + i;
15    }
16    return (sum);
17  }
18 </script>
19 </head>
20 </html>
```

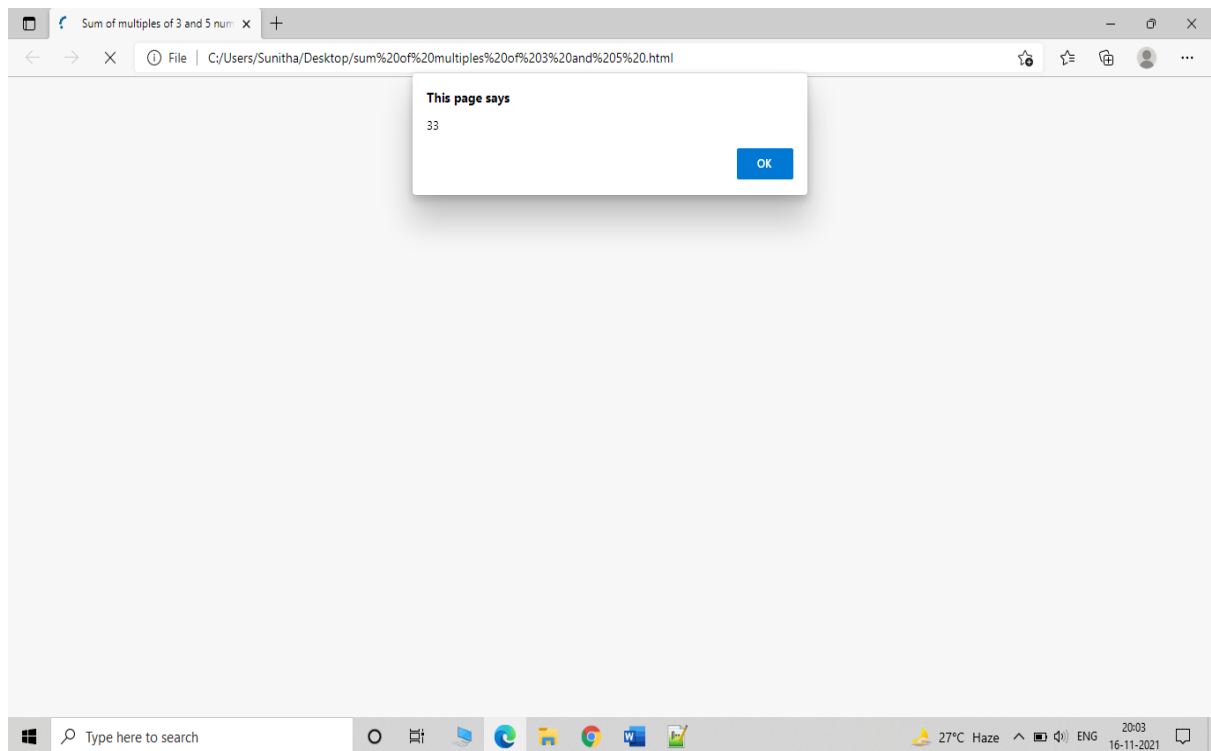
The web browser window shows the rendered page. A dialog box titled 'This page says' is displayed, showing the output of the JavaScript code: 'The sum of 10 natural number is 55'. The browser's address bar shows the file path: 'C:/Users/Sunitha/Desktop/sum%20of%20n%20numbers.html'.

```
C:\Users\Sunitha\Desktop\sum of multiples of 3 and 5.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

sum of n numbers.html sum of multiples of 3 and 5.html even or odd.html leap year.html concatenate.html currency converters.html fibonacci series.html reverse an array.html

1 <html>
2 <head>
3 <title>Sum of multiples of 3 and 5 numbers</title>
4 <script type = "text/javascript">
5   var number = window.prompt("Enter number:", "");
6   var sum = 0;
7   for (var i = 0; i <= number; i++) {
8     if (i % 3 == 0 || i % 5 == 0) {
9       alert(i);
10      sum += i;
11    }
12  }
13  alert(sum);
14 </script>
15 </head>
16 </html>
17
18
19
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22
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26

Hyper Text Markup Language file
length: 349 lines: 26 Ln: 3 Col: 36 Pos: 52 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze 20:03 16-11-2021
```



C:\Users\Sunitha\Desktop\even or odd.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

sum of n numbers.html sum of multiples of 3 and 5.html even or odd.html leap year.html concatenate.html currency converters.html fibonacci series.html reverse an array.html

```
1 <html>
2 <head>
3   <title> even or odd </title>
4   <script type = "text/javascript">
5     const number = window.prompt("Enter a number: ");
6     if(number % 2 == 0) {
7       document.write("The number is even.");
8     }
9     else {
10      document.write("The number is odd.");
11    }
12  </script>
13 </head>
14 </body>
```

Hyper Text Markup Language file length: 283 lines: 14 Ln: 3 Col: 29 Pos: 45 Windows (CR LF) UTF-8 INS

Type here to search

27°C Haze 20:05 16-11-2021

even or odd

File C:/Users/Sunitha/Desktop/even%20or%20odd.html

The number is odd.

```
C:\Users\Sunitha\Desktop\coin flips.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
calculator.html list rotate.html smallest element in array.html count of even and odd elements in array.html average.html square.html 11f2.html alternate merge.html coin flips.html even with array.html
1 <html>
2 <head>
3 <title> coin flips</title>
4 <script>
5 function coinFlip() {
6     return(Math.random() < 0.3) ? 'Heads' : 'Tails'; //ofc 0.7 is 10% (7/10)
7 }
8
9 var howManyTimes=10;
10 var countHeads=4;
11 for (var i=0; i<howManyTimes;i++){
12     if (coinFlip()=='Heads'){
13         countHeads++;
14     }
15 }
16 document.write("HeadsRatio( ) --> "+countHeads/howManyTimes);
17 </script>
18 </head>
19 </html>
Hyper Text Markup Language file length: 409 lines: 19 Ln: 13 Col: 21 Sel: 3 | 1 Windows (CR LF) UTF-8 INS
Type here to search 30°C Light rain ENG 11:35 21-11-2021
coin flips C:\Users\Sunitha\Desktop\coin%20flips.html
```

HeadsRatio( ) --> 0.9

C:\Users\Sunitha\Desktop\leap year.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

sum of n numbers.html sum of multiples of 3 and 5.html even or odd.html leap year.html concatenate.html currency converters.html fibonacci series.html reverse an array.html

```
1 <html>
2 <head>
3 <title> leap year </title>
4 <script type = "text/javascript">
5   var yearsPrinted = 0;
6   var Year =2021;
7   function leapYears() {
8     while (yearsPrinted < 20) {
9       if ((Year % 4 === 0) && (!((Year % 100===0) && (Year % 400 !== 0)))) {
10        document.write(Year + "<br>");
11        yearsPrinted++;
12        Year++;
13      } else {
14        Year++;
15      }
16    }
17  }
18  leapYears();
19 </script>
20 </head>
21 </html>
```

Hyper Text Markup Language file length: 461 lines: 21 Ln: 3 Col: 19 Pos: 35 Windows (CR LF) UTF-8 INS

Type here to search

27°C Haze 20:06 16-11-2021

leap year

File C:\Users\Sunitha\Desktop\leap%20year.html

2024  
2028  
2032  
2036  
2040  
2044  
2048  
2052  
2056  
2060  
2064  
2068  
2072  
2076  
2080  
2084  
2088  
2092  
2096  
2104

```
C:\Users\Sunitha\Desktop\currency converters.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
currency converters.html fibonacci series.html reverse an array.html for loop for sum of n numbers.html while loop for n numbers.html do-while loop for sum of n numbers.html largest element in an array.html new bubble.html

1 <html>
2 <head>
3 <title> currency converter </title>
4 <script language="JavaScript">
5 function euroConverter(){
6 document.converter.dollar.value = document.converter.euro.value * 1.470
7 document.converter.pound.value = document.converter.euro.value * 0.717
8 document.converter.yen.value = document.converter.euro.value * 165.192
9 document.converter.rupee.value = document.converter.euro.value * 0.012
10 }
11 function dollarConverter(){
12 document.converter.euro.value = document.converter.dollar.value * 0.680
13 document.converter.pound.value = document.converter.dollar.value * 0.488
14 document.converter.yen.value = document.converter.dollar.value * 112.36
15 document.converter.rupee.value = document.converter.dollar.value * 0.013
16 }
17 function poundConverter(){
18 document.converter.dollar.value = document.converter.pound.value * 2.049
19 document.converter.euro.value = document.converter.pound.value * 1.394
20 document.converter.yen.value = document.converter.pound.value * 230.27
21 document.converter.rupee.value = document.converter.pound.value * 0.0100
22 }
23 function yenConverter(){
24 document.converter.dollar.value = document.converter.yen.value * 0.0089
25 document.converter.pound.value = document.converter.yen.value * 0.00434
26 document.converter.euro.value = document.converter.yen.value * 0.00605
27 document.converter.rupee.value = document.converter.yen.value * 1.54
28 }
29 function RupeeConverter(){
30 document.converter.dollar.value = document.converter.rupee.value * 74.36
31 document.converter.pound.value = document.converter.rupee.value * 100.06
32 document.converter.euro.value = document.converter.rupee.value * 84.53
33 document.converter.yen.value = document.converter.rupee.value * 0.65
34 }
35 </script>
36 </head>
```

Hyper Text Markup Language file length: 2,425 lines: 62 Ln: 10 Col: 2 Pos: 403 Windows (CR LF) UTF-8 INS  
Type here to search 30°C Light rain 11:38 21-11-2021

```
C:\Users\Sunitha\Desktop\currency converters.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
currency converters.html fibonacci series.html reverse an array.html for loop for sum of n numbers.html while loop for n numbers.html do-while loop for sum of n numbers.html largest element in an array.html new bubble.html

34 }
35 </script>
36 </head>
37 <body>
38 <form name="converter">
39 <table border="0">
40 <tr>
41 <td>Euro: </td><td><input type="text" name="euro" onChange="euroConverter()" /></td>
42 </tr>
43 <tr>
44 <td>US Dollar: </td><td><input type="text" name="dollar" onChange="dollarConverter()" /></td>
45 </tr>
46 <tr>
47 <td>British Pound: </td><td><input type="text" name="pound" onChange="poundConverter()" /></td>
48 </tr>
49 <tr>
50 <td>Japanese Yen: </td><td><input type="text" name="yen" onChange="yenConverter()" /></td>
51 </tr>
52 <tr>
53 <td>India Rupee: </td><td><input type="text" name="rupee" onChange="RupeeConverter()" /></td>
54 </tr>
55 <tr>
56 <td colspan="2" align="center"><input type="button" value="Convert!" /></td>
57 </tr>
58 </table>
59 </form>
60 </body>
61 </html>
```

Hyper Text Markup Language file length: 2,425 lines: 62 Ln: 10 Col: 2 Pos: 403 Windows (CR LF) UTF-8 INS  
Type here to search 30°C Light rain 11:38 21-11-2021



Euro:

US Dollar:

British Pound:

Japanese Yen:

India Rupee:



```
C:\Users\Sunitha\Desktop\concatenate.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
[Icons]
leap year.html concatenate.html currency converters.html fibonacci series.html reverse an array.html for loop for sum of n numbers.html while loop for n numbers.html do-while loop for sum of n numbers.html largest ele
1 <html>
2 <head>
3 <title> concatenate </title>
4 <script>
5 function func() {
6     var a = ["a", "b", "c"];
7     var num = [1,2,3];
8     document.write(a.concat(num));
9 }
10 func();
11 </script>
12 </head>
13 </html>
14
15
16
Hyper Text Markup Language file length: 209 lines: 16 Ln: 3 Col: 20 Pos: 36 Windows (CR LF) UTF-8 INS
Type here to search [Icons] 30°C Light rain ^ ENG 11:40 21-11-2021
```



a,b,c,1,2,3





```
*C:\Users\Sunitha\Desktop\alternate merge.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
calculator.html list rotate.html smallest element in array.html count of even and odd elements in array.html average.html square.html f1f2.html alternate merge.html coin flips.html even with array.html
1 <html>
2 <head>
3 <title>Alternate merging </title>
4 <script>
5 function newlist(alph,num)
6 {
7     var list = [ ];
8     for(var i=0; i<alph.length; i++)
9     {
10         list.push(alph[i]);
11         list.push(num[i]);
12     }
13     return list;
14 }
15 document.write(newlist(['a', 'b', 'c'],[1, 2, 3]));
16 </script>
17 </head>
18 </html>
19
Hyper Text Markup Language file length: 328 lines: 19 Ln: 19 Col: 1 Pos: 329 Windows (CR LF) UTF-8 INS
Type here to search 30°C Light rain 11:43 21-11-2021
```



a,1,b,2,c,3



C:\Users\Sunitha\Desktop\Fibonacci series.html - Notepad++

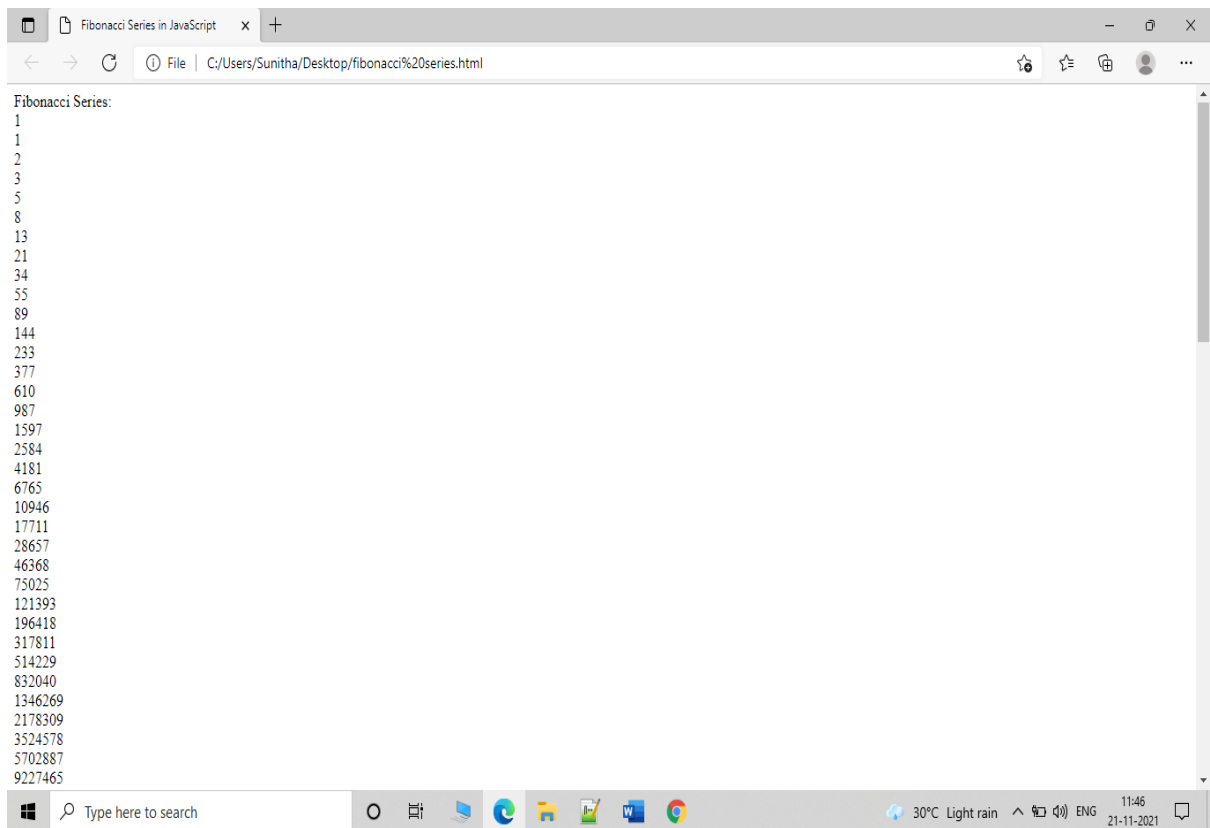
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

conacaterate.html currency converters.html fibonacci series.html reverse an array.html for loop for sum of n numbers.html while loop for n numbers.html do-while loop for sum of n numbers.html largest element in an array.html

```
1 <html>
2 <head>
3   <title> Fibonacci Series in JavaScript </title>
4 </head>
5 <body>
6 <script>
7   var n1 = 1, n2 = 1, next, i;
8   var num = parseInt (prompt (" Enter the limit for Fibonacci Series "));
9   document.write( "Fibonacci Series: ");
10  for ( i = 1; i <= num; i++)
11  { document.write ("<br>" + n1);
12    next= n1 + n2;
13    n1 = n2;
14    n2 = next;
15  }
16 </script>
17 </body>
18 </html>
```

Hyper Text Markup Language file length: 415 lines: 18 Ln: 11 Col: 25 Pos: 310 Windows (CR LF) UTF-8 INS

Type here to search 30°C Light rain ENG 11:49 21-11-2021



Fibonacci Series in JavaScript x +

File C:/Users/Sunitha/Desktop/fibonacci%20series.html

9227403  
14930352  
24157817  
39088169  
63245986  
102334155  
165580141  
267914296  
433494437  
701408733  
1134903170  
1836311903  
2971215073  
4807526976  
7778742049  
12586269025  
20365011074  
32951280099  
53316291173  
86267571272  
139583862445  
225851433717  
365435296162  
591286729879  
956722026041  
1548008755920  
2504730781961  
4052739537881  
6557470319842  
10610209857723  
17167680177565  
27777890035288  
44945570212853  
72723460248141  
117669030460994  
190392490709135  
308061521170129

Type here to search 30°C Light rain 11:48 21-11-2021

Fibonacci Series in JavaScript x +

File C:/Users/Sunitha/Desktop/fibonacci%20series.html

17167680177565  
27777890035288  
44945570212853  
72723460248141  
117669030460994  
190392490709135  
308061521170129  
498454011879264  
806515533049393  
1304969544928657  
2111485077978050  
3416454622906707  
5527939700884757  
8944394323791464  
14472334024676220  
23416728348467684  
37889062373143900  
61305790721611580  
99194853094755490  
160500643816367070  
259695496911122560  
420196140727489660  
679891637638612200  
1100087778366101900  
1779979416004714000  
2880067194370816000  
4660046610375530000  
7540113804746346000  
12200160415121877000  
19740274219868226000  
31940434634990100000  
51680708854858330000  
83621143489848430000  
135301852344706760000  
218922995834555200000  
354224848179262000000

Type here to search 30°C Light rain 11:49 21-11-2021

```
*C:\Users\Sunitha\Desktop\reverse an array.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
sum of n numbers.html sum of multiples of 3 and 5.html even or odd.html leap year.html concatenate.html currency converters.html fibonacci series.html reverse an array.html
1 <html>
2 <head>
3 <title> Reverse of an array</title>
4 </head>
5 <body>
6 <script>
7 let arr = [6,0,2,7,10];
8 arr.reverse();
9 document.write(arr);
10 </script>
11 </body>
12 </html>
13
14
15
Hyper Text Markup Language file
length: 176 lines: 15 Ln: 15 Col: 1 Pos: 177 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze 20:13 16-11-2021
```



10,7,2,0,6



C:\Users\Sunitha\Desktop\for loop for sum of n numbers.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

concatenate.html currency converters.html fibonacci series.html reverse an array.html for loop for sum of n numbers.html while loop for n numbers.html do-while loop for sum of n numbers.html largest element in an array.html

```
1 <html>
2 <head>
3   <title>Sum of n numbers</title>
4   <script type = "text/javascript">
5     let numbers = [10, 20, 30, 40, 50]
6     let sum = 0;
7     for (let i = 0; i<numbers.length;i++) {
8       sum += numbers[i]
9     }
10    document.write(sum);
11  </script>
12 </head>
13 </html>
```

Hyper Text Markup Language file

length: 248 lines: 13 Ln: 11 Col: 10 Pos: 231 Windows (CR LF) UTF-8 INS

Type here to search

30°C Light rain 11:51 21-11-2021

C:\Users\Sunitha\Desktop\while loop for n numbers .html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

concatenate.html currency converters.html fibonacci series.html reverse an array.html for loop for sum of n numbers.html while loop for n numbers.html do-while loop for sum of n numbers.html largest element in an array.html

```
1 <html>
2 <head>
3   <title>Sum of n numbers</title>
4   <script type = "text/javascript">
5     let numbers = [10, 20, 30, 40, 50]
6     let sum = 0;
7     let i = 0;
8     while(i<numbers.length) {
9       sum += numbers[i];
10      i++;
11    }
12    document.write(sum);
13  </script>
14 </head>
15 </html>
```

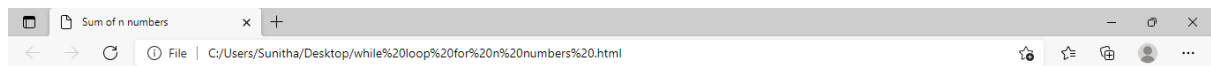
Hyper Text Markup Language file

length: 255 lines: 15 Ln: 2 Col: 7 Pos: 15 Windows (CR LF) UTF-8 INS

Type here to search

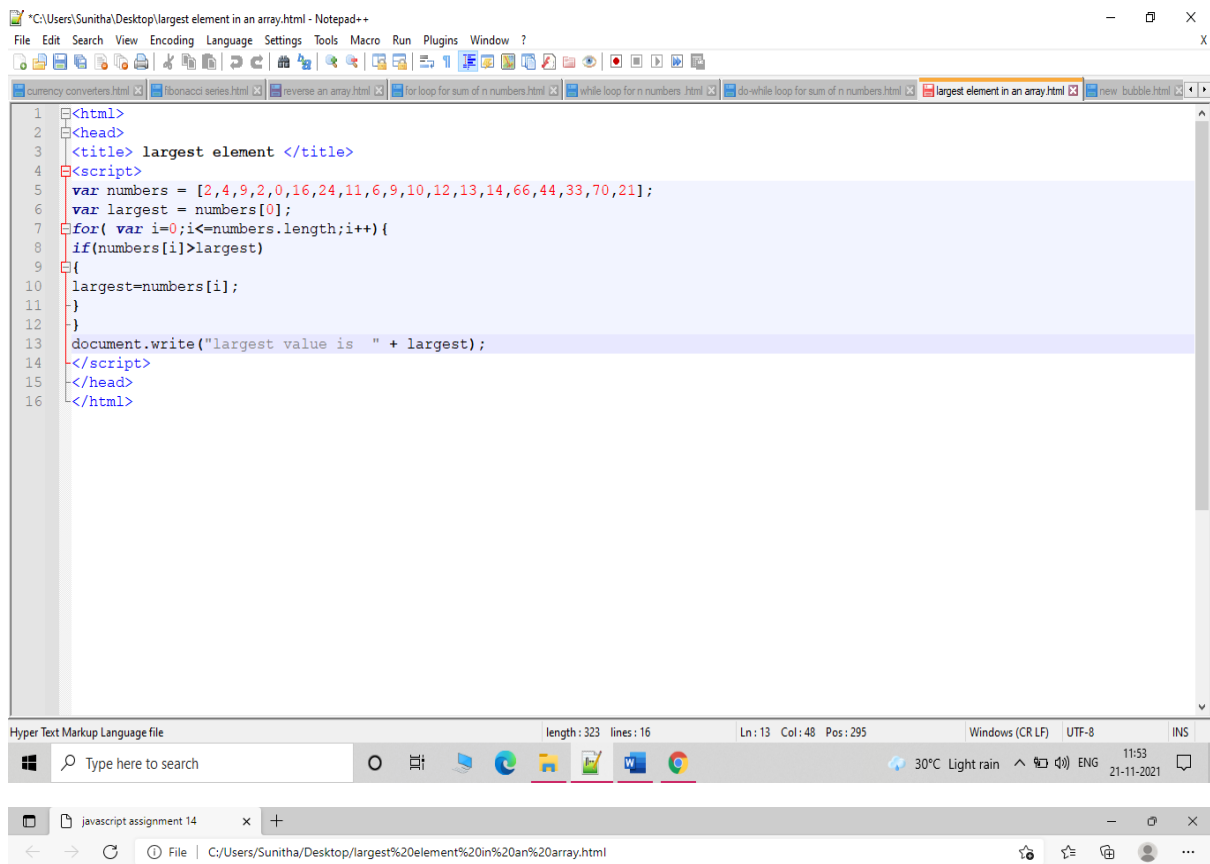
30°C Light rain 11:51 21-11-2021

```
C:\Users\Sunitha\Desktop\do-while loop for sum of n numbers.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
concatenate.html currency converters.html fibonacci series.html reverse an array.html for loop for sum of n numbers.html while loop for n numbers .html do-while loop for sum of n numbers.html largest element in an array.html
1 <html>
2 <head>
3 <title>Sum of n numbers</title>
4 <script type = "text/javascript">
5 let numbers = [10, 20, 30, 40, 50]
6 let sum = 0;
7 let i = 0;
8 do{
9 sum += numbers[i];
10 i++;
11 }
12 while(i<numbers.length);
13 document.write(sum);
14 </script>
15 </head>
16 </html>
Hyper Text Markup Language file length: 259 lines: 16 Ln: 8 Col: 4 Pos: 150 Windows (CR LF) UTF-8 INS
Type here to search 30°C Light rain ENG 11:51 21-11-2021
```



150





largest value is 70



The image shows a Notepad++ window with a JavaScript script to find the smallest element in an array. The script is as follows:

```
1 <html>
2 <head>
3 <title> smallest element </title>
4 <script>
5 var numbers = [2,4,9,20,56,16,24,11,6,9,10,12,13,14,90,66,44,33,70,21];
6 var smallest = numbers[0];
7 for( var i=0;i<=numbers.length;i++){
8   if(numbers[i]<smallest)
9   {
10    smallest=numbers[i];
11  }
12 }
13 document.write("smallest value is " + smallest);
14 </script>
15 </head>
16 </html>
```

The script defines an array of numbers and iterates through them to find the smallest value, which is 2. The output is displayed in a web browser window titled "smallest element".

smallest value is 2



C:\Users\Sunitha\Desktop\average.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

new bubble.html table creation.html word converter.html calculator.html list rotate.html smallest element in array.html count of even and odd elements in array.html average.html square.html 1/2.html

```
1 <html>
2 <head>
3 <script>
4   var sum=0,avg = 0;
5   var arr = [2,4,9,20,56,16,24,11,6,9,10,12,13,14,90,66,44,33,70,21];
6   for(var i=0;i<arr.length;i++)
7   {
8     sum+=arr[i];
9   }
10  avg = (sum/arr.length);
11  document.write("sum = " +sum+ "<br>");
12  document.write("avg = "+avg);
13 </script>
14 </head>
15 </html>
```

Hyper Text Markup Language file length: 289 lines: 15 Ln: 5 Col: 66 Pos: 112 Windows (CR LF) UTF-8 INS

Type here to search 30°C Light rain ENG 11:54 21-11-2021

average.html x +

File C:/Users/Sunitha/Desktop/average.html

sum = 530

avg = 26.5

```
C:\Users\Sunitha\Desktop\count of even and odd elements in array.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

1 <html>
2 <head>
3 <title>Even or odd count</title>
4 <script>
5 var count=0,even = 0,odd =0;
6 var arr=[2,4,9,20,56,16,24,11,6,9,10,12,13,14,90,66,44,33,70,21];
7 for(var i=0;i<arr.length;i++)
8 {
9 if(arr[i]%2==0){
10 even = count++;
11 }
12 else{
13 odd = count++;
14 }
15 }
16 if(even>odd){
17 document.write("even count is high");
18 }
19 else{
20 document.write("odd count is high");
21 }
22 </script>
23 </head>
24 </html>

Hyper Text Markup Language file length: 390 lines: 24 Ln: 8 Col: 2 Pos: 190 Windows (CR LF) UTF-8 INS
Type here to search 30°C Light rain ENG 11:54 21-11-2021

Even or odd count x +
File C:/Users/Sunitha/Desktop/count%20of%20even%20and%20odd%20elements%20in%20array.html
```

odd count is high

```
C:\Users\Sunitha\Desktop\new bubble.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

new bubble.html x table creation.html x word converter.html x calculator.html x list rotate.html x smallest element in array.html x count of even and odd elements in array.html x average.html x square.html x (1)2.html x all x

4 <script>
5 function sort(arr){
6     var changed;
7     do{
8         changed = false;
9         for(var i=0; i < arr.length-1; i++) {
10             if(arr[i] > arr[i+1]) {
11                 var tmp = arr[i];
12                 arr[i] = arr[i+1];
13                 arr[i+1] = tmp;
14                 changed = true;
15             }
16         }
17     } while(changed);
18 }
19 var arr = [5,18,121,16,10,9,3,7,12,14,19,11,89,78,65,34,23,88,90,100];
20 sort(arr);
21 document.write(arr);
22 </script>
23 </head>
24 </html>

Hyper Text Markup Language file length: 534 lines: 24 Ln: 22 Col: 10 Pos: 517 Windows (CR LF) UTF-8 INS
Type here to search 30°C Light rain 11:58 21-11-2021
```



3,5,7,9,10,11,12,14,16,18,19,23,34,65,78,88,89,90,100,121



```
C:\Users\Sunitha\Desktop\table creation.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
new bubble.html table creation.html word converter.html calculator.html 1st rotate.html smallest element in array.html count of even and odd elements in array.html average.html square.html 11/2.html all
1 <html>
2 <head>
3 <title> Table creation</title>
4 <script type="text/javascript">
5 function createTable(num_rows, num_columns)
6 {
7     var num_rows = document.tablegen.rows.value;
8     var num_columns = document.tablegen.columns.value;
9     var theader = '<table>\n';
10    var tbody = '';
11
12    for( var i=0; i<num_rows;i++)
13    {
14        tbody += '<tr>';
15
16        for( var j=0; j<num_columns;j++)
17        {
18            tbody += '<td>';
19            tbody += ' Cell ' + i + ',' + j;
20            tbody += '</td>';
21        }
22        tbody += '</tr>\n';
23    }
24    var tfooter = '</table>';
25    document.write(theader + tbody + tfooter);
26 }
27 </script>
28 </head>
29 <body>
30 <form name="tablegen">
31 <label>Rows: <input type="text" name="rows"/></label><br /><br>
32 <label>Columns: <input type="text" name="columns"/></label><br><br>
33 <input name="generate" type="button" value="Create Table!" onclick="createTable();" />
34 </form>
35 <script type="text/javascript">
36 document.write(createTable());
37 </script>
38 </body>
39 </html>
Hyper Text Markup Language file length: 996 lines: 39 Ln: 12 Col: 34 Pos: 324 Windows (CR LF) UTF-8 INS
Type here to search 30°C Light rain ENG 11:59 21-11-2021
```

Cell 0,0 Cell 0,1 Cell 0,2 Cell 0,3  
Cell 1,0 Cell 1,1 Cell 1,2 Cell 1,3  
Cell 2,0 Cell 2,1 Cell 2,2 Cell 2,3  
Cell 3,0 Cell 3,1 Cell 3,2 Cell 3,3

C:\Users\Sunitha\Desktop\word converter.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

new bubble.html table creation.html word converter.html calculator.html list rotate.html smallest element in array.html count of even and odd elements in array.html average.html square.html f1/f2.html all

```
1 <html>
2 <head>
3 <script>
4 function isVowel(c)
5 {
6     return (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U' || c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');
7 }
8 function pigLatin(s)
9 {
10     let len = s.length;
11     let index = -1;
12     for (let i = 0; i < len; i++)
13     {
14         if (isVowel(s[i]))
15         {
16             index = i;
17             break;
18         }
19     }
20     if (index == -1)
21     {
22         return "-1";
23     }
24     return s.substring(index) + s.substring(0, index) + "ay";
25 }
26 str = pigLatin("Quick");
27 if (str == "-1")
28 {
29     document.write("No vowels" + "found. Pig Latin" + " not possible");
30 }
31 else
32 {
33     document.write(str);
34 }
35 </script>
36 </head>
37 </html>
```

Hyper Text Markup Language file length: 665 lines: 35 Ln: 31 Col: 8 Pos: 657 Windows (CR LF) UTF-8 INS

Type here to search 30°C Light rain 12:03 21-11-2021



uickQay



```
*C:\Users\Sunitha\Desktop\calculator.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

1 <html>
2 <head>
3 <title>Calculator</title>
4 <h1> Calculator Program in JavaScript </h1>
5 <div class= "formstyle">
6 <form name= "form1">
7 <input id= "calc" type="text" name= "answer"> <br> <br>
8 <input type= "button" value= "1" onclick= "form1.answer.value += '1' ">
9 <input type= "button" value= "2" onclick= "form1.answer.value += '2' ">
10 <input type= "button" value= "3" onclick= "form1.answer.value += '3' ">
11 <input type= "button" value= "+" onclick= "form1.answer.value += '+' ">
12 <br> <br>
13
14 <input type= "button" value= "4" onclick= "form1.answer.value += '4' ">
15 <input type= "button" value= "5" onclick= "form1.answer.value += '5' ">
16 <input type= "button" value= "6" onclick= "form1.answer.value += '6' ">
17 <input type= "button" value= "-" onclick= "form1.answer.value += '-' ">
18 <br> <br>
19
20 <input type= "button" value= "7" onclick= "form1.answer.value += '7' ">
21 <input type= "button" value= "8" onclick= "form1.answer.value += '8' ">
22 <input type= "button" value= "9" onclick= "form1.answer.value += '9' ">
23 <input type= "button" value= "%" onclick= "form1.answer.value += '%' ">
24 <br> <br>
25 <input type= "button" value= "/" onclick= "form1.answer.value += '/' ">
26 <input type= "button" value= "0" onclick= "form1.answer.value += '0' ">
27 <input type= "button" value= "*" onclick= "form1.answer.value += '*' ">
28 <input type= "button" value= "=" onclick= "form1.answer.value = eval(form1.answer.value) ">
29 <br><br>
30 <input type= "button" value= "Clear All" onclick= "form1.answer.value = ' ' " id= "clear" >
31 <br>
32 </form>
33 </div>
34

Hyper Text Markup Language file length: 1,712 lines: 34 Ln: 34 Col: 1 Pos: 1,713 Windows (CR LF) UTF-8 INS
Type here to search 30°C Light rain 12:04 21-11-2021
```



## Calculator Program in JavaScript

1+3-3

1 2 3 +

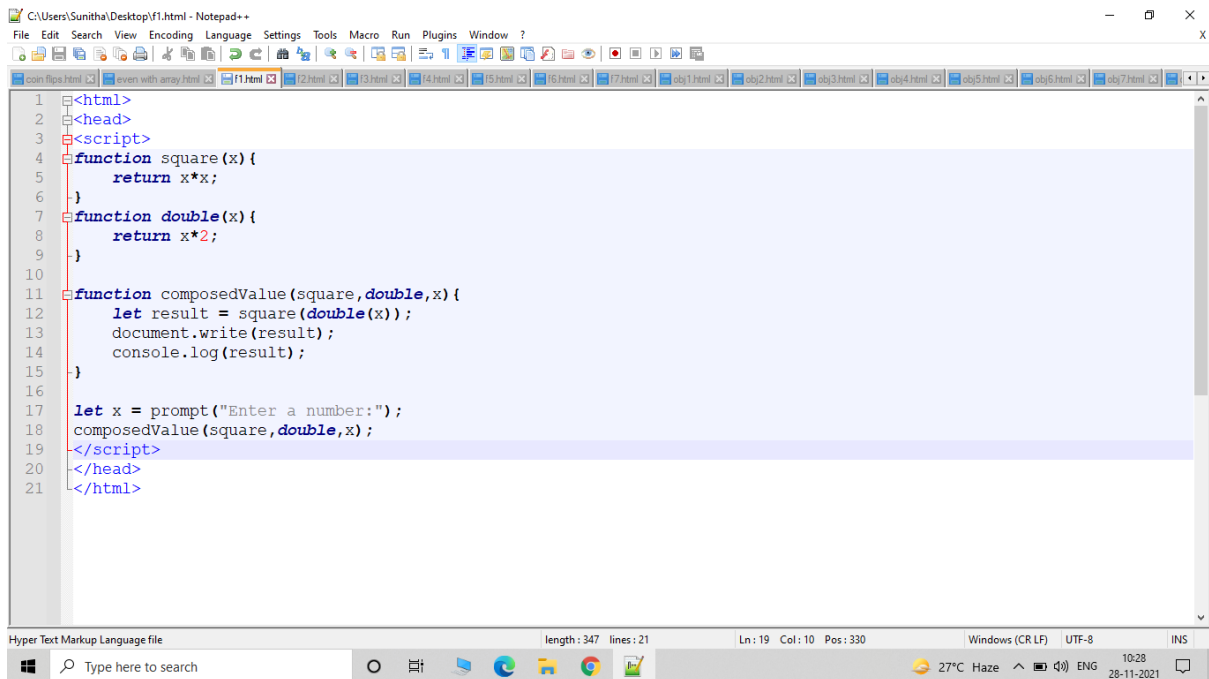
4 5 6 -

7 8 9 %

/ 0 \* =

Clear All

## Function assignments



The screenshot shows a Notepad++ window with the file path C:\Users\Sunitha\Desktop\ff1.html. The code is as follows:

```
1 <html>
2 <head>
3 <script>
4 function square(x){
5     return x*x;
6 }
7 function double(x){
8     return x*2;
9 }
10
11 function composedValue(square,double,x){
12     let result = square(double(x));
13     document.write(result);
14     console.log(result);
15 }
16
17 let x = prompt("Enter a number:");
18 composedValue(square,double,x);
19 </script>
20 </head>
21 </html>
```

The status bar at the bottom indicates the file is a Hyper Text Markup Language file, with a length of 347 and 21 lines. The cursor is at line 19, column 10, position 330. The system tray shows the date and time as 10:28 on 28-11-2021.

100

```
C:\Users\Sunitha\Desktop\f2.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

1 <html>
2 <head>
3 <script>
4 function square(x){
5     return x*x;
6 }
7 function double(x){
8     return x*2;
9 }
10
11 function compose(f1,f2){
12     function composedValue(x){
13         return f1(f2(x));
14     }
15     let result = composedValue(x);
16     document.write(result,"<br>");
17     console.log(result);
18 }
19
20 let x = prompt("Enter a number:");
21 var f = compose(square,double);
22 var g = compose(double,square);
23 </script>
24 </head>
25 </html>

Hyper Text Markup Language file
length: 435 lines: 25 Ln: 25 Col: 8 Pos: 436 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze 10:32 28-11-2021
f2.html x +
File C:\Users\Sunitha\Desktop\f2.html
```

100  
50



```
C:\Users\Sunitha\Desktop\f3.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

1 <html>
2 <head>
3 <script>
4 function find(arr, isEven) {
5     for (let i = 0; i <= arr.length; i++) {
6         if (isEven(arr[i]) == true) {
7             document.write(arr[i]);
8             console.log(arr[i]);
9             break;
10        }
11    }
12 }
13
14 function isEven(num) {
15     return (num % 2 == 0);
16 }
17
18 let arr = [1,3,5,4,2];
19 document.write(arr,"<br>");
20 console.log(arr);
21 find(arr,isEven);
22 </script>
23 </head>
24 </html>

Hyper Text Markup Language file
length: 429 lines: 24 Ln: 24 Col: 8 Pos: 430 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze ENG 10:33 28-11-2021
f2.html x f3.html x
File | C:/Users/Sunitha/Desktop/f3.html
```

1,3,5,4,2  
4

The screenshot shows a Notepad++ window with the file 'f4.html' open. The code is as follows:

```

1 <html>
2 <head>
3 <script>
4 function square(x) {
5     return x*x;
6 }
7 function Math_sqrt(x) {
8     return(Math.sqrt(x));
9 }
10
11 function map(arr,square) {
12     let b=[];
13     for (let i = 0; i < arr.length; i++) {
14         b.push(square(arr[i]));
15     }
16     document.write(b,"<br>");
17 }
18 function map(arr,Math_sqrt) {
19     let c=[];
20     for (let i = 0; i < arr.length; i++) {
21         c.push(Math_sqrt(arr[i]));
22     }
23     document.write(c,"<br>");
24 }
25
26 map([1,2,3,4,5],square);
27 map([1,4,9,16,25],Math_sqrt);
28 </script>
29 </head>
30 </html>

```

The status bar at the bottom indicates the file is a 'Hyper Text Markup Language file', has a length of 533, and contains 30 lines. The cursor is at line 30, column 8, position 534. The system tray shows the date and time as 28-11-2021, 10:34.

C:\Users\Sunitha\Desktop\f5.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

coin flips.html even with array.html f1.html f2.html f3.html f4.html f5.html f6.html f7.html obj1.html obj2.html obj3.html obj4.html obj5.html obj6.html obj7.html

```
1 <html>
2 <head>
3 <script>
4   function isEven(num)
5   {
6       return (num % 2 == 0);
7   }
8
9   var array=[1,3,5,4,2];
10  var found = array.find(isEven);
11  console.log(found);
12  document.write(found);
13 </script>
14 </head>
15 </html>
```

Hyper Text Markup Language file length: 214 lines: 15 Ln: 15 Col: 8 Pos: 215 Windows (CR LF) UTF-8 INS

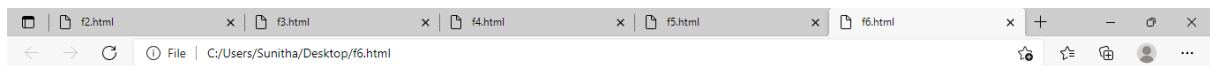
Type here to search 27°C Haze 10:36 28-11-2021



4



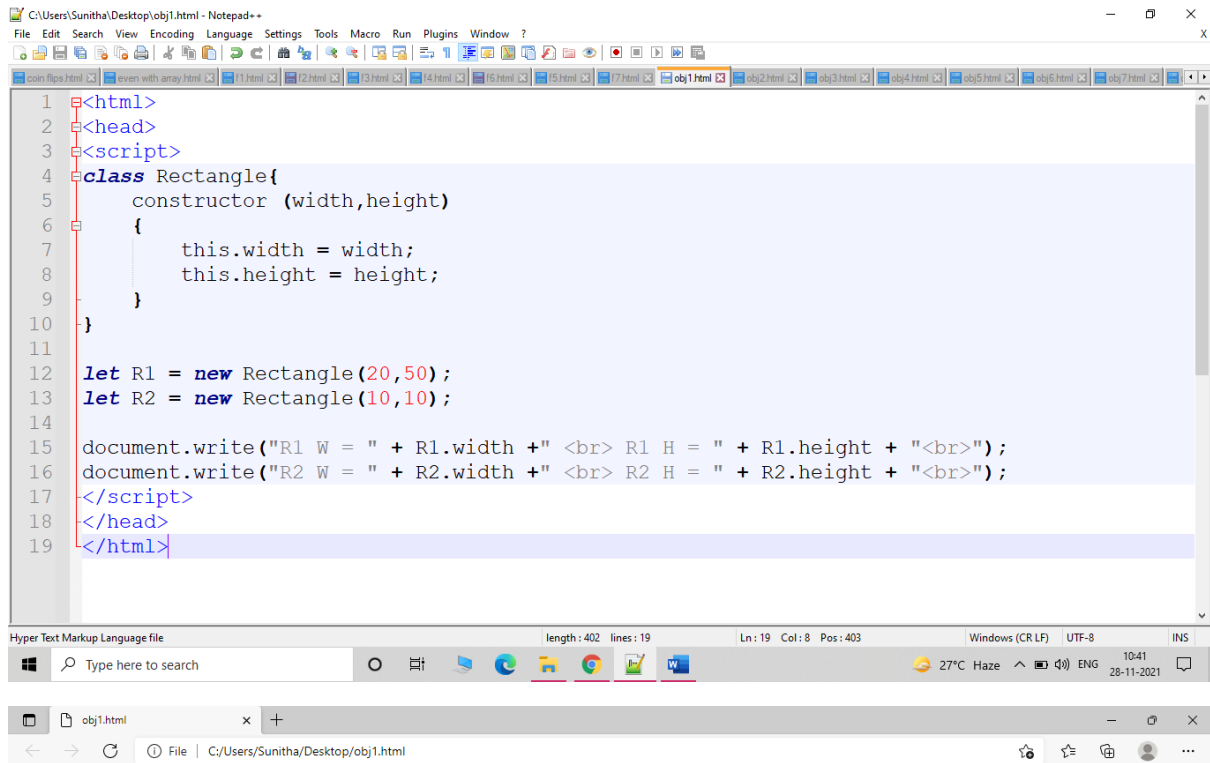
```
C:\Users\Sunitha\Desktop\16.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
coin flips.html even with array.html 11.html 12.html 13.html 14.html 15.html 16.html 17.html obj1.html obj2.html obj3.html obj4.html obj5.html obj6.html obj7.html
1 <html>
2 <head>
3 <script>
4   const arr = [5,6,7,8,9];
5   function square(x) {
6     return x*x;
7   }
8   function Math_sqrt(x) {
9     return(Math.sqrt(x));
10  }
11  const map=arr.map(square);
12  const map2=map.map(Math_sqrt);
13  console.log(map);
14  document.write(map, "<br>");
15  console.log(map2);
16  document.write(map2);
17 </script>
18 </head>
19 </html>
Hyper Text Markup Language file length: 325 lines: 19 Ln: 4 Col: 23 Pos: 49 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze 10:37 28-11-2021
```



25,36,49,64,81  
5,6,7,8,9



## Object assignments



```
1 <html>
2 <head>
3 <script>
4 class Rectangle{
5     constructor (width,height)
6     {
7         this.width = width;
8         this.height = height;
9     }
10 }
11
12 let R1 = new Rectangle(20,50);
13 let R2 = new Rectangle(10,10);
14
15 document.write("R1 W = " + R1.width + " <br> R1 H = " + R1.height + "<br>");
16 document.write("R2 W = " + R2.width + " <br> R2 H = " + R2.height + "<br>");
17 </script>
18 </head>
19 </html>
```

Hyper Text Markup Language file      length: 402    lines: 19    Ln: 19    Col: 8    Pos: 403    Windows (CR LF)    UTF-8    INS

obj1.html    x    +    C:/Users/Sunitha/Desktop/obj1.html

R1 W = 20  
R1 H = 50  
R2 W = 10  
R2 H = 10

```
C:\Users\Sunitha\Desktop\obj2.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
con tips.html even with array.html 1.html 2.html 3.html 4.html 6.html 15.html 17.html obj1.html obj2.html obj3.html obj4.html obj5.html obj6.html obj7.html
1 <html>
2 <head>
3 <script>
4 class Rectangle{
5     constructor (width,height)
6     {
7         this.width = width;
8         this.height = height;
9     }
10    get Area(){
11        return this.height * this.width;
12    }
13 }
14
15 let R1 = new Rectangle(40,90);
16 let R2 = new Rectangle(30,20);
17
18 console.log(R1.Area);
19 console.log(R2.Area);
20 document.write(R1.Area,"<br>");
21 document.write(R2.Area);
22 </script>
23 </head>
24 </html>
Hyper Text Markup Language file length: 421 lines: 24 Ln: 16 Col: 28 Pos: 283 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze ENG 10:42 28-11-2021
```



3600  
600



```
C:\Users\Sunitha\Desktop\obj3.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
1 <html>
2 <head>
3 <script>
4   function Rectangle (width,height)
5   {
6       this.width = width;
7       this.height = height;
8       this.getArea = function(){
9           return this.height * this.width;
10      }
11  }
12
13  const r = new Rectangle(9,2);
14  r.height =50;
15  console.log(r.getArea());<html>
16 </script>
17 </head>
18 </html>
length: 338 lines: 18 Ln: 14 Col: 9 Pos: 272 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze 10:45 28-11-2021
```

```
C:\Users\Sunitha\Desktop\obj4.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
1 <html>
2 <head>
3 <script>
4   var person= {
5       firstName : "sunitha",
6       lastName : "kadiri"
7   };
8
9   console.log(person);
10
11   const x = person;
12   x.lastName = "sanita";
13   console.log(person);
14 </script>
15 </head>
16 </html>
length: 215 lines: 16 Ln: 12 Col: 20 Pos: 163 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze 10:47 28-11-2021
```

C:\Users\Sunitha\Desktop\obj5.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

```
1 <html>
2 <head>
3 <script>
4 var person= {
5     firstName : "sunitha",
6     lastName : "kadiri"
7 };
8
9 console.log(person);
10 console.log(person.middleName);
11 const x = person;
12 </script>
13 </head>
14 </html>
```

Hyper Text Markup Language file length: 201 lines: 14 Ln: 6 Col: 23 Pos: 92 Windows (CR LF) UTF-8 INS

Type here to search

C:\Users\Sunitha\Desktop\obj6.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

```
1 <html>
2 <head>
3 <script>
4 var string = '{"firstName":"kadiri" , "lastName":"sunitha"}';
5 var obj = eval(string);
6 document.write(obj.firstName + " " + obj.lastName);
7 </script>
8 </head>
9 </html>
```

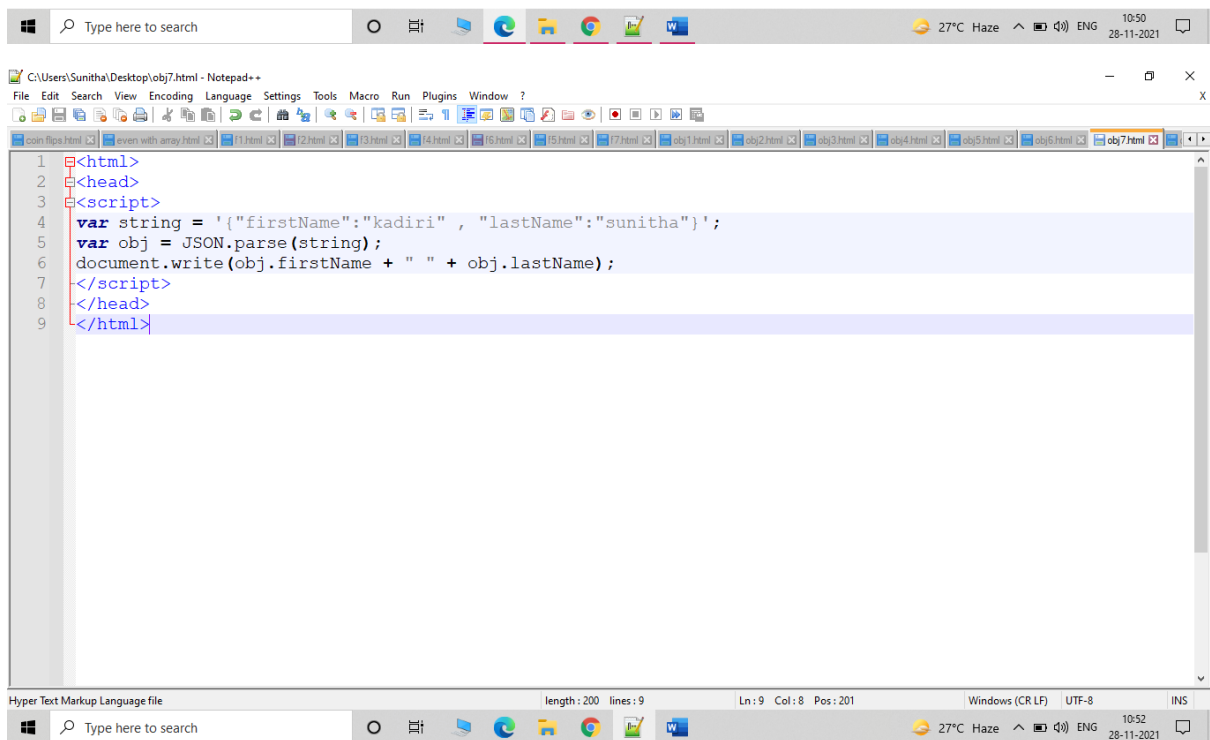
Hyper Text Markup Language file length: 196 lines: 9 Ln: 9 Col: 8 Pos: 197 Windows (CR LF) UTF-8 INS

Type here to search





kadiri sunitha



```
C:\Users\Sunitha\Desktop\obj8.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
1 <html>
2 <head>
3 <script>
4 function person(fname, lname, age, skills, dateofbirth, address, married, profession) {
5     this.fname = fname;
6     this.lname = lname;
7     this.age = age;
8     this.skills = skills;
9     this.dateofbirth = dateofbirth;
10    this.address = address;
11    this.married = married;
12    this.profession = profession;
13 };
14 kadiri= new person("kadiri", "sunitha", 22,["C"], "18/10/1998", { city: "MPL", pincode: "517325" }, "false", "analyst");
15 bandi = new person("bandi", "swathi", 21, "HTML", "03/06/1994", { city: "Bangalore", pincode: "500038" }, "false", "Developer");
16
17 print = function () {
18     console.log(kadiri);
19     console.log(bandi);
20 };
21 </script>
22 </head>
23 </html>

Hyper Text Markup Language file
length: 707 lines: 23 Ln: 23 Col: 8 Pos: 708 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze ENG 10:59 28-11-2021
```

```
C:\Users\Sunitha\Desktop\obj9.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
1 <html>
2 <head>
3 <script>
4 function person(fname, lname, age, skills, dateofbirth, address, married, profession) {
5     this.fname = fname;
6     this.lname = lname;
7     this.age = age;
8     this.skills = skills;
9     this.dateofbirth = dateofbirth;
10    this.address = address;
11    this.married = married;
12    this.profession = profession;
13 };
14 sunitha= new person("sunitha", "kadiri", 22, ["c"], "24/10/1996", { city: "hyderabad", pincode: "521185" }, "false", "sr analyst");
15 chinini = new person("chinini", "chittiti", 21, "HTML", "08/06/1997", { city: "Ameerpet", pincode: "500038" }, "false", "jr analyst");
16 mamu = new person("mamu", "bachhi", 22, ["c"], "24/10/1996", { city: "hyderabad", pincode: "521185" }, "false", "sr analyst");
17 abhi= new person("abhi", 21, "HTML", "08/06/1997", "false", "jr analyst");
18
19 var abhi = Object.create(mamu);
20
21
22 print = function () {
23     console.log(mamu);
24     console.log(abhi.lname);
25     console.log(abhi.address);
26 };
27 </script>
28 </head>
29 </html>

Hyper Text Markup Language file
length: 998 lines: 29 Ln: 16 Col: 33 Pos: 645 Windows (CR LF) UTF-8 INS
Type here to search 27°C Haze ENG 11:03 28-11-2021
```

C:\Users\Sunitha\Desktop\obj10.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

3.html 4.html 6.html 15.html 17.html obj1.html obj2.html obj3.html obj4.html obj5.html obj6.html obj7.html obj8.html obj9.html obj10.html obj11.html

```
1 <html>
2 <head>
3 <script>
4 function person(fname, lname, age, skills, dateofbirth, address, married, profession) {
5     this.fname = fname;
6     this.lname = lname;
7     this.age = age;
8     this.skills = skills;
9     this.dateofbirth = dateofbirth;
10    this.address = address;
11    this.married = married;
12    this.profession = profession;
13 }
14 suni = new person("suni", "kadiri", 22, ["c"], "24/10/1996", { city: "hyderabad", pincode: "521185" }, "false", "sr analyst");
15 ram = new person("ram", "chinnu", 21, "HTML", "08/06/1997", { city: "Ameerpet", pincode: "500038" }, "false", "jr analyst");
16 abhi = new person("abhi", "bandi", 22, ["c"], "24/10/1996", { city: "hyderabad", pincode: "521185" }, "false", "sr analyst");
17 abhishek = new person("abhishek", 21, "HTML", "08/06/1997", "false", "jr analyst");
18
19 var abhishek = Object.create(abhi);
20
21 aaradhya = new person("arhavi", 20, "python", "20/12/2000");
22 var arhavi = Object.create(abhi, abhishek);
23
24
25 print = function () {
26     console.log(arhavi);
27     console.log(arhavi.address);
28     console.log(arhavi.lname);
29     console.log(arhavi.profession);
30 }();
31 </script>
32 </head>
33 </html>
```

length: 1,151 lines: 33 Ln: 16 Col: 33 Pos: 634 Windows (CR LF) UTF-8 INS

Type here to search 27°C Haze 11:07 28-11-2021

C:\Users\Sunitha\Desktop\obj11.html - Notepad++

```
1 <html>
2 <head>
3 <script>
4 class BankAccount{
5     constructor(accountNumber, accountHolderName, accountBalance)
6     {
7         this.accountNumber = accountNumber;
8         this.accountHolderName = accountHolderName;
9         this.accountBalance = accountBalance;
10        this.getCurrentBalance = function()
11        {
12            document.write(this.accountBalance);
13        };
14    }
15 }
16
17 class SavingsAccount extends BankAccount{
18     constructor(accountNumber, accountHolderName, accountBalance, isSalary){
19         super(accountNumber, accountHolderName, accountBalance);
20         this.isSalary = isSalary;
21         this.withdraw = function(amount)
22         {
23             this.accountBalance -= amount;
24             if(accountBalance <= 0)
25                 return -1;
26         };
27     }
28 }
29
30 class CurrentAccount extends BankAccount {
31     constructor(accountNumber, accountHolderName, accountBalance, offline){
32         super(accountNumber, accountHolderName, accountBalance);
33         this.offline = offline;
34         this.withdraw = function(amount)
35         {
36             this.accountBalance -= amount;
37             if(accountBalance < 0)
38                 return -1;
39         };
40     }
41 }
42
43
44 var s1 = new SavingsAccount(54678950, "sunitha ", 25000, 1);
45 s1.withdraw(4000);
46 s1.getCurrentBalance();
47 </script>
48 </head>
49 </html>
```

Hyper Text Markup Language file      length: 1,334   lines: 49   Ln: 45   Col: 14   Pos: 1,276   Windows (CR LF)   UTF-8   INS

Type here to search

obj11.html   C:\Users\Sunitha\Desktop\obj11.html

19000

