

# Functions.js

```
functions.js x index.html answer_check.js
1 console.log("hello homework3");
2
3 function stringToInt(string){
4     this.string = string;
5     var result = undefined;
6     if (isNaN(parseInt(string))){
7         result = "NaN";
8     }else{
9         result = parseInt(string);
10    }
11    return result;
12 }
13
14 function maskNumber(input){
15     this.input = input;
16
17     var mask_number = input.substring(0, 7);
18     var mask = "*****";
19     var mask_number = mask_number.concat(mask);
20
21     return mask_number;
22 }
23
24 function getAverage(input_array){
25     this.input_array = input_array;
26     var sum = 0;
27     for(var i = 0; i < input_array.length; i++){
28         sum = sum + input_array[i];
29     }
30     var avg = sum/input_array.length;
31
32     return avg;
33 }
34
```

```
functions.js x index.html answer_check.js
34
35 function isMultipleSeven(input){
36     this.input = input;
37
38     if ( (input%7) == 0 ){
39         return true;
40     } else{
41         return false;
42     }
43 }
44
45 function operation(operator, input1, input2){
46     this.operator = operator;
47     this.input1 = input1;
48     this.input2 = input2;
49     var result = undefined;
50
51     switch(operator){
52         case "add":
53             result = input1 + input2;
54             break;
55
56         case "subtract":
57             result = input1 - input2;
58             break;
59
60         case "multiply":
61             result = input1 * input2;
62             break;
63
64         case "divide":
65             result = input1 / input2;
66             break;
67
68         default:
69             console.log("Not Supported");
70             break;
71     }
72 }
```

```
77 function triangleMtn(input){
78     this.input = input;
79     var result = "";
80
81     for (var i = 1; i <= input; i++){
82         for(var j = 1; j <= i; j++){
83             result += " ";
84         }
85         result += "\n";
86     }
87
88     console.log(result);
89 }
```

result

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hello homework3			<u>functions.js:1</u>	
Q2: String to Integer conversion: 1234			<u>answer check.js:1</u>	
Q2: String to Integer conversion: 123			<u>answer check.js:2</u>	
Q2: String to Integer conversion: NaN			<u>answer check.js:3</u>	
Q2: String to Integer conversion: -5678			<u>answer check.js:4</u>	
Q3: masking 01012345678: 0101234****			<u>answer check.js:6</u>	
Q4: average of input [1,5,10,4,-4,11] is 4.5			<u>answer check.js:9</u>	
Q5: 5 is multiple of 7: false			<u>answer check.js:11</u>	
Q5: 21 is multiple of 7: true			<u>answer check.js:12</u>	
Q5: 100 is multiple of 7: false			<u>answer check.js:13</u>	
Q6: a=24 and b=8. Add is: 32			<u>answer check.js:15</u>	
Q6: a=24 and b=8. Subtract is: 16			<u>answer check.js:16</u>	
Q6: a=24 and b=8. Multiply is: 192			<u>answer check.js:17</u>	
Q6: a=24 and b=8. Divide is: 3			<u>answer check.js:18</u>	
Not Supported			<u>functions.js:69</u>	
Q6: a=24 and b=8. a power b is: undefined			<u>answer check.js:19</u>	
Q7: triangle mountain with 10 floor			<u>answer check.js:21</u>	
*			<u>functions.js:88</u>	
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