

ch043.js

```
1 // -----CHALLENGE 1-----
2
3 // Step 1
4
5 let greetingPt1 = "Hello";
6
7 let greetingPt2 = "World!";
8
9 greetingPt1 += " " + greetingPt2;
10
11 console.log(greetingPt1);
12
13 // Step 2
14
15 function greeting() {
16   let greetingPt3 = "Hello";
17   let greetingPt4 = "World!";
18   console.log(greetingPt3 + " " + greetingPt4);
19 }
20
21 greeting();
22
23 // -----CHALLENGE 2-----
24
25 // Step 1
26
27 function createPartnerGreeting() {
28   let partnerName = "Mayra";
29   return `Hey, ${partnerName}. It's great to work with you on these challenges!`;
30 }
31
32 let partnerGreeting = createPartnerGreeting();
33 console.log(partnerGreeting);
34
35 // Step 2
36
37 function createPartnerGreeting2(partnerName2) {
38   return `Hey, ${partnerName2}. It's great to work with you on these challenges!`;
39 }
40
41 let partnerGreeting2 = createPartnerGreeting2("John");
42 console.log(partnerGreeting2);
43
44 // -----CHALLENGE 3-----
45
46 function addTwo(number1, number2) {
47   return number1 + number2;
48 }
49
50 //Uncomment the line below to check your work!
51
52 console.log(addTwo(10, 20)); // --> 30
53 console.log(addTwo(16, 199)); // --> 215
54
55 // -----CHALLENGE 4-----
56
57 function arraySum(numArray) {
58   let sum = 0;
59   for (let i = 0; i < numArray.length; i++) {
60     //sum = sum + numArray[i];
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61     sum += numArray[i],
62 }
63 return sum;
64 }
65
66 // console.log(arraySum([2, 3, 4]))
67
68 //Uncomment the line below to check your work!
69 console.log(arraySum([1, 7, 2, 8, 4, 5, 9, 2, 6, 8])); // --> 52
70 console.log(arraySum([1, 3, 14, 10000])); // --> 10018
71
72 // -----CHALLENGE 5-----
73
74 function arraySumEven(numEven) {
75     let sumEven = 0;
76     for (let i = 0; i < numEven.length; i++) {
77         if (numEven[i] % 2 === 0) {
78             sumEven += numEven[i];
79         }
80     }
81     return sumEven;
82 }
83
84 //Uncomment the line below to check your work!
85 console.log(arraySumEven([1, 7, 2, 8, 4, 5, 9, 2, 6, 8])); //--> 30
86 console.log(arraySumEven([1, 3, 27, 3, 5, 9])); // --> 0
87
88 // -----CHALLENGE 6-----
89
90 function stringCreator(array, string) {
91     let word = "";
92     for (let i = 0; i < array.length; i++) {
93         if (array[i] !== string) {
94             word += array[i];
95         }
96     }
97     return word;
98 }
99
100 //Uncomment the line below to check your work!
101
102 console.log(
103     stringCreator(
104         [
105             "c",
106             "q",
107             "q",
108             "o",
109             "d",
110             "q",
111             "e",
112             "q",
113             "s",
114             "m",
115             "q",
116             "i",
117             "q",
118             "t",
119             "h",
120             "q",
121             "q",
122         ],
123         "q"
124     )

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125 ); // --> Codesmith
126 console.log(
127     stringCreator(
128         [
129             "g",
130             "g",
131             "j",
132             "s",
133             "g",
134             "B",
135             " ",
136             "g",
137             "i",
138             "s",
139             "g",
140             "g",
141             " ",
142             "s",
143             "g",
144             "u",
145             "p",
146             "e",
147             "g",
148             "r",
149             "g",
150             "g",
151             " ",
152             "a",
153             "g",
154             "w",
155             "e",
156             "s",
157             "g",
158             "o",
159             "g",
160             "m",
161             "e",
162             "!",
163             "g",
164             "g",
165         ],
166         "g"
167     )
168 ); // --> JSB is super awesome!
169
170 // -----CHALLENGE 7-----
171
172 const lengthChecker = function (string1, num) {
173     if (string1.length >= num) {
174         return true;
175     }
176     return false;
177 };
178
179 //Uncomment the line below to check your work!
180
181 console.log(lengthChecker("Codesmith", 12)); // --> false
182 console.log(lengthChecker("Javascript", 10)); // --> true
183
184 // -----CHALLENGE 8-----
185
186 // HARD! Makes you think!
187
188 const valueChecker = function (object, string2) {

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189     if (object[string2]){
190         return object[string2];
191     }
192     return `Sorry,"${string2}" does not exist on the object.`;
193 };
194
195 //Uncomment the line below to check your work!
196 const person1 = {
197     "first name": "Phillip",
198     "last name": "Troutman",
199     favFood: "ice cream",
200 };
201 console.log(valueChecker(person1, "last name")); // --> "Troutman"
202 console.log(valueChecker(person1, "age")); // --> 'Sorry, "age" does not exist on the object'
203
204 // -----CHALLENGE 9-----
205
206 // Step 1
207
208 // HARD!
209
210 const findWaldo = function (array2) {
211     let waldoCount = 0;
212     for (let i = 0; i < array2.length; i++) {
213         if (array2[i] === "Waldo") {
214             waldoCount++;
215         }
216     }
217
218     if (waldoCount > 0) {
219         return `I found Waldo ${waldoCount} time(s)!`;
220     } else {
221         return `Where's Waldo?!`;
222     }
223 };
224
225 //Uncomment the line below to check your work!
226 console.log(findWaldo(["Camera", "Waldo", "Eunie", "Waldo", "Phillip"])); // --> "I found Waldo 2
time(s)"
227 console.log(findWaldo(["Camera", "Eunie", "Phillip", "Ryan", "Kat"])); // --> "Where's Waldo?!"
228
229 // Step 2
230
231 // to-do - arrow fucntion
232

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