

challenge035\ch035.js

```
1 // -----CHALLENGE 1-----
2
3 // Step 1
4
5 let counter = 0;
6
7 counter = counter + 1;
8 counter++;
9 counter++;
10 counter++;
11 counter++;
12 counter++;
13 counter++;
14 counter++;
15 counter++;
16 counter++;
17
18 console.log(counter);
19
20 // Step 2
21
22 let anotherCounter = 0;
23
24 while (anotherCounter < 10) {
25     anotherCounter++;
26 }
27 console.log(anotherCounter);
28
29 // -----CHALLENGE 2-----
30
31 // Step 1
32
33 let bigNumber = 100;
34 let smallNumber = 5;
35
36 // Step 2
37
38 while (bigNumber > smallNumber) {
39     bigNumber--;
40 }
41
42 console.log(bigNumber, smallNumber);
43
44 // -----CHALLENGE 3-----
45
46 // Step 1
47
48 let fundsAvailable = 100;
49 let giftPrice = 15;
50 let numberOfGiftsPurchased = 0;
51 let overBudget = false;
52
53 // Step 2
54
55 while (!overBudget) {
56     fundsAvailable = fundsAvailable - giftPrice;
57     if (fundsAvailable < giftPrice) {
58         overBudget = true;
59     }
60     numberOfGiftsPurchased++;
```

```
61 }
62
63 // Step 3
64
65 console.log(fundsAvailable, numberOfGiftsPurchased);
66
67 // -----CHALLENGE 4-----
68
69 // Step 1
70
71 let myArray = [1, 7, 3, 8];
72 let myIndex = 0;
73
74 // Step 2
75
76 while (myIndex < myArray.length) {
77     console.log(myArray[myIndex]);
78     myIndex++;
79 }
80
81 // -----CHALLENGE 5-----
82
83 // Step 1
84
85 let anotherArray = [86, 75, 30, 9];
86
87 // Step 2
88
89 for (let index = 0; index < anotherArray.length; index++) {
90     console.log(anotherArray[index]);
91 }
92
93 // -----CHALLENGE 6-----
94
95 // Step 1
96
97 let randomNums = [2, 3, 4, 5, 6, 7, 8, 9, 16, 12];
98 let overFive = 0;
99
100 // Step 1
101
102 for (let ind = 0; ind < randomNums.length; ind++) {
103     if (randomNums[ind] > 5) {
104         overFive++;
105     }
106 }
107
108 console.log(overFive);
109
110 // -----CHALLENGE 7-----
111
112 // Step 1
113
114 let favLanguage = "Javascript";
115 let aTotal = 0;
116
117 // Step 2
118
119 for (let i = 0; i < favLanguage.length; i++) {
120     if (favLanguage[i] === "a") {
121         aTotal++;
122     }
123 }
124
```

```
125 console.log(aTotal);
126
127 // -----CHALLENGE 8-----
128
129 // Step 1
130
131 const messyMessage = [
132     6,
133     3,
134     "j",
135     1,
136     3,
137     "s",
138     5,
139     9,
140     2,
141     "b",
142     " ",
143     3,
144     3,
145     "i",
146     "s",
147     7,
148     0,
149     " ",
150     2,
151     "f",
152     1,
153     1,
154     1,
155     "u",
156     "n",
157     4,
158     "!",
159 ];
160
161 let cleanMessage = "";
162
163 // Step 2
164
165 for (let i = 0; i < messyMessage.length; i++) {
166     if (typeof messyMessage[i] !== "number") {
167         // === 'string'
168         cleanMessage += messyMessage[i];
169     }
170 }
171
172 console.log(cleanMessage);
173
```