

## JS\_Activity

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1 // Activity 1: Looping through characters in strings within an array
2 const furniture = ['Table', 'Chair', 'Couch'];
3 furniture.forEach(item => {
4     for (let char of item) {
5         console.log(char);
6     }
7 })
8 //Output:
9 // T
10 // a
11 // b
12 // ...
13 // c
14 // h
15
16 // Activity 2: Finding common elements in multiple arrays
17 let value1 = ['Apple', 1, false];
18 let value2 = ['Fries', 2, true, 'Apple', 1];
19 let value3 = ['Mars', 9, 'Apple', 1];
20 let repeat = [];
21 value1.forEach(item1 => {
22     if (value2.includes(item1) && value3.includes(item1)) {
23         repeat.push(item1);
24     }
25 })
26 console.log(repeat);
27 // Output:
28 // ['Apple', 1]
29
30 // Activity 3: Searching for an element in an array and printing vowels from a string
31 const guests = ['Alice', 'Bob', 'Charlie', 'David'];
32 let find = 'Charlie';
33 let length = 0;
34 while (length < guests.length) {
35     if (guests[length] === find) {
36         console.log(`Found ${find}`);
37         break;
38     }
39     length++;
40 }
41 // Output:
42 // Found Charlie
43
44 const message = "Hello World";
45 let vowels = 'aeiouAEIOU';
46 for (let char of message) {
47     if (vowels.includes(char)) {
48         console.log(char);
49     }
50 }
51 // Output:
52 // e
53 // o
54 // o
```