

```
1
2 // List of roman numbers and their assigned value
3 const romanNumbers = {
4     m: 1000,
5     cm: 900,
6     d: 500,
7     cd: 400,
8     c: 100,
9     xc: 90,
10    l: 50,
11    xl: 40,
12    x: 10,
13    ix: 9,
14    v: 5,
15    iv: 4,
16    i: 1
17 };
18
19 // Input: any integer number, Output: String of roman number. 42 => 'XLII'
20 const romanNumberConverter = () => {
21     let number = document.getElementById("input").value; //Input from the HTML
22     console.log("number", number)
23     let output = '';
24     Object.keys(romanNumbers).forEach(romanNumber => { // For each keys in
romanNumbers takes the assigned value of the key
25         const value = romanNumbers[romanNumber];
26         while (number >= value) {
27             number -= value; // Removes the assigned value of the key from the number
28             output += romanNumber; //Adds the name of the key to a string
29         }
30     });
31     console.log('Output', output.toUpperCase());
32     document.getElementById("result").value = output.toUpperCase(); // Pastes the
output in uppercase to the #result element
33
34     return 'Output', output.toUpperCase(); //Returns the output in uppercase
35 };
36
37 console.log(romanNumberConverter());
38
```