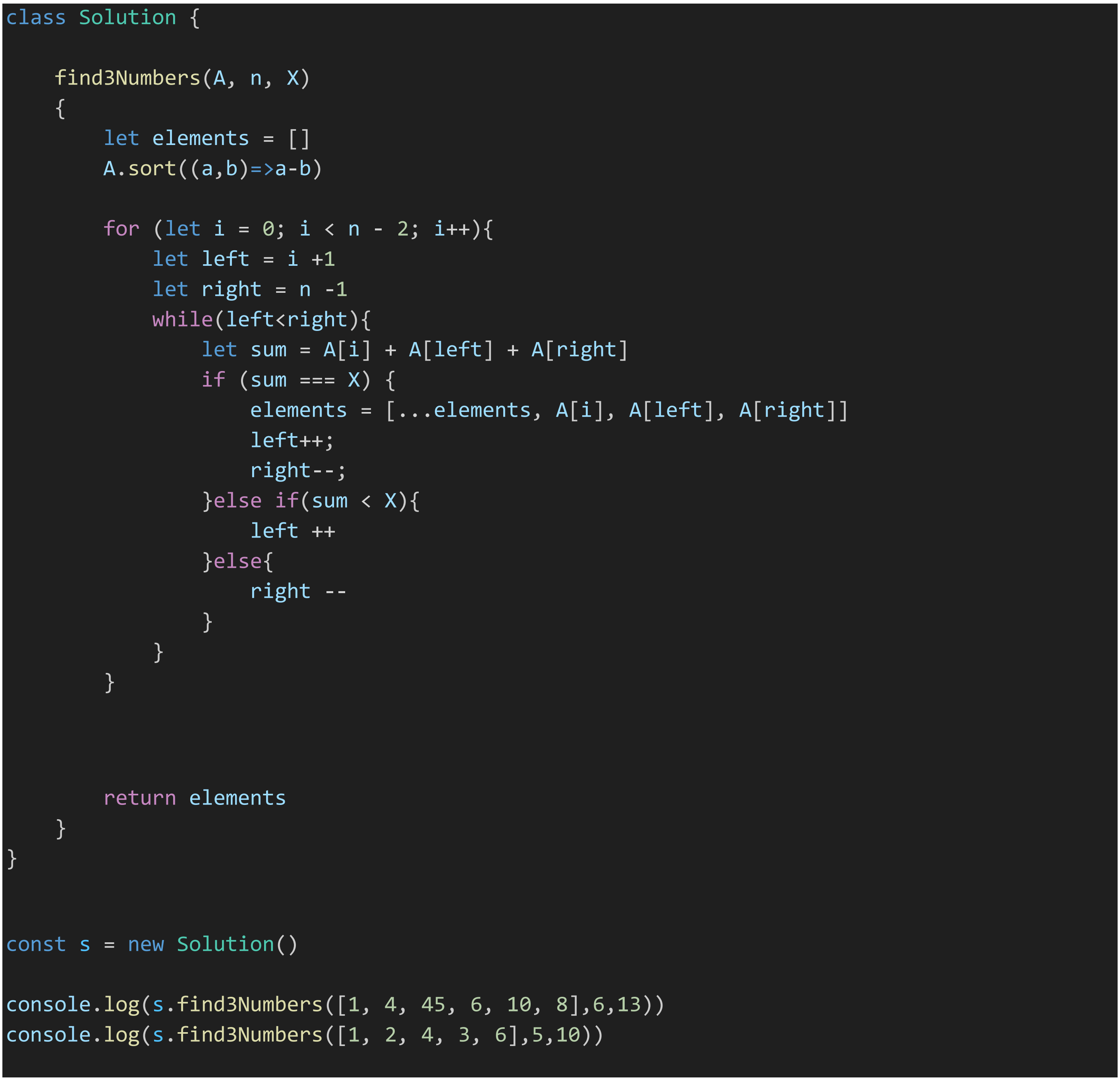
Palindromic Subsequence

```
function reverseString(string) {
  let strArray = string.split("");
  let start = 0;
  let end = strArray.length - 1;
  let temp = "";
  while (start < end) {
    temp = strArray[end];
    strArray[end] = strArray[start];
    strArray[start] = temp;
    start++;
    end--;
  }
  return strArray.join("");
}

function isStringPalindrome(string) {
  return string === reverseString(string);
}
let element = [];
function stringSubsequence(input, output) {
  if (input.length === 0) {
    isStringPalindrome(output) && element.push(output);
    return;
  }
  stringSubsequence(input.substring(1), output);
  stringSubsequence(input.substring(1), output + input[0]);
}

const inputString = "abc";
const inputString1 = "abcd";
const inputString2 = "aab";
// stringSubsequence(inputString, "");
// stringSubsequence(inputString1, "");
stringSubsequence(inputString2, "");
console.log(element.length - 1);
```

Triplet Sum



```
class Solution {

    find3Numbers(A, n, X)
    {
        let elements = []
        A.sort((a,b)=>a-b)

        for (let i = 0; i < n - 2; i++){
            let left = i +1
            let right = n -1
            while(left<right){
                let sum = A[i] + A[left] + A[right]
                if (sum === X) {
                    elements = [...elements, A[i], A[left], A[right]]
                    left++;
                    right--;
                }else if(sum < X){
                    left ++
                }else{
                    right --
                }
            }
        }



        return elements
    }
}


const s = new Solution()

console.log(s.find3Numbers([1, 4, 45, 6, 10, 8],6,13))
console.log(s.find3Numbers([1, 2, 4, 3, 6],5,10))
```