```js
nums = [2,7,11,15]
target = 9
for(let i = 0 ; i<nums.length ; i++){
    let j = nums.length-1 ;
    let sum = nums[i] + nums[j];
    nums.sort((a ,b) => a-b );// sort the array
    while(i<j){
        let sum = nums[i] + nums[j];
        if(sum === target){
            console.log("(" + i + ", " + j + ")");
            i++ ;
            j--;
        }
        else if(sum>target){
            j--;
        }
        else{
            i++;
        }
    }
}
```

PS C:\Users\atulr\OneDrive\Desktop\geekster\javascript\Assigment\Day-6> node "c:\Users\atulr\OneDrive\Desktop\geekster\javascript\Assigment\
(0, 1)
PS C:\Users\atulr\OneDrive\Desktop\geekster\javascript\Assigment\Day-6>

```js
const nums = [-1, 0, 1, 2, -1, -4];
const target = 0;

const threeSum = function(nums) {
    nums.sort((a, b) => a - b); // Sort the array

    const result = [];

    for (let i = 0; i < nums.length - 2; i++) {
        // Avoid duplicates
        if (i === 0 || (i > 0 && nums[i] !== nums[i - 1])) {
            let left = i + 1;
            let right = nums.length - 1;
            const target = -nums[i];
            while (left < right) {
                const sum = nums[left] + nums[right];
                if (sum === target) {
                    result.push([nums[i], nums[left], nums[right]]);
                    while (left < right && nums[left] === nums[left + 1]) left++;
                    while (left < right && nums[right] === nums[right - 1]) right--;

                    left++;
                    right--;
                } else if (sum < target) {
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\atulr\OneDrive\Desktop\geekster\javascript\Assigment\Day-6> node "c:\Users\atulr\OneDrive\Desktop\geekster\javascript\Ass
[[-1, -1, 2], [-1, 0, 1]]
PS C:\Users\atulr\OneDrive\Desktop\geekster\javascript\Assigment\Day-6>

DAY-6
3sum.js
IsPalindrom.js
Maximum-Subarray.js
two_sum.js

JS IsPalindrom.js > ...

```js
1   var isPalindrome = function(x) {
2       // Convert the number to a string
3       const str = x.toString();
4
5       // Reverse the string
6       const reversedStr = str.split('').reverse().join('');
7
8       // Check if the original string is equal to its reverse
9       return str === reversedStr;
10  };
11
12  let x = 121;
13  if(isPalindrome(x)){
14      console.log("true");
15  }
16  else{
17      console.log("false");
18  }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\atulr\OneDrive\Desktop\geekster\javascript\Assigment\Day-6> node "c:\Users\atulr\OneDrive\Desktop\geekster\javascript\Assigment\Day-
true
PS C:\Users\atulr\OneDrive\Desktop\geekster\javascript\Assigment\Day-6>

```js
var maxSubArray = function(nums) {
    if (nums.length === 0) return 0;

    let maxSum = nums[0];
    let currentSum = nums[0];

    for (let i = 1; i < nums.length; i++) {
        currentSum = Math.max(nums[i], currentSum + nums[i]);
        maxSum = Math.max(maxSum, currentSum);
    }

    return maxSum;
}
const nums = [-2,1,-3,4,-1,2,1,-5,4];
console.log(maxSubArray(nums));
```