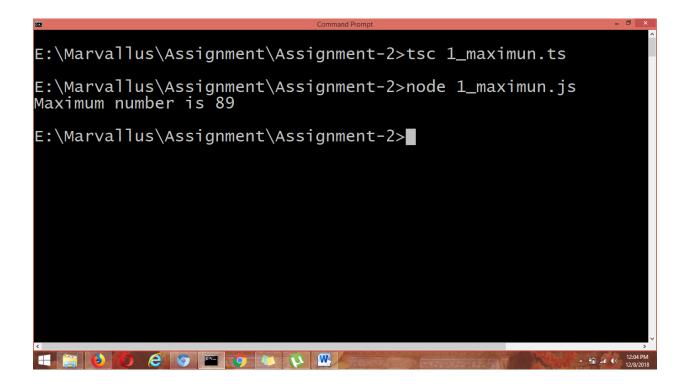
```
function maximum(arr:any):number {
   var i
   var max:number = 0

   for(i = 0;i<arr.length;i++) {
        if(max < arr[i])
            max = arr[i]
    }
   return max;
}

var arr:number[] = new Array(23, 89, 6, 29, 56, 45, 77, 32 )

console.log("Maximum number is "+maximum(arr))</pre>
```

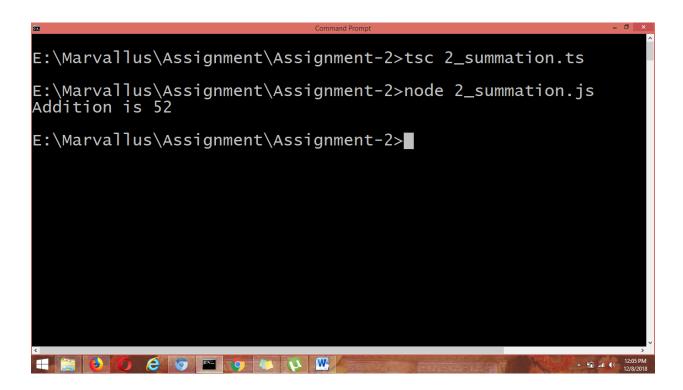
O/P:



```
function summation(...arr:number[]):number {
    var i
    var sum:number = 0

    for(i = 0;i<arr.length;i++) {
        sum = sum + arr[i]
     }
    return sum;
}

var sum:number = summation(23, 6, 7, 4, 5, 7)
console.log("Addition is "+sum)</pre>
```

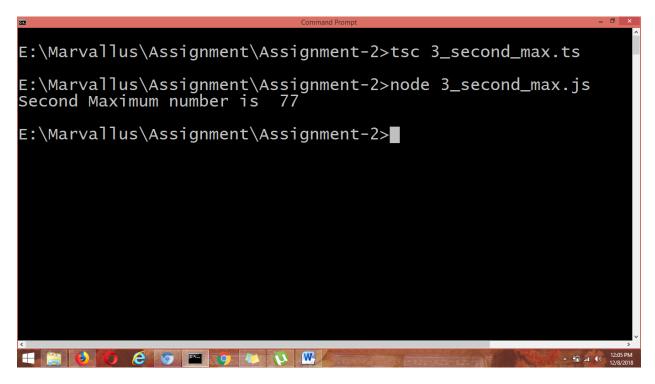


```
function maximum_second(arr:any):number {
    var i
    var max:number = 0
    var s_max:number = 0

    for(i = 0;i<arr.length;i++) {
        if(max < arr[i])
            max = arr[i]

        if(s_max < arr[i] && max > arr[i])
            s_max = arr[i]
    }
    return s_max
}
var arr:number[] = new Array(23, 89, 6, 29, 56, 45, 77, 32 )

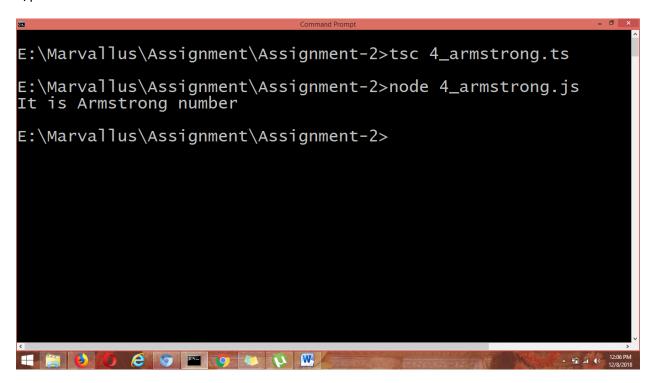
console.log("Second Maximum number is "+maximum_second(arr))
```



```
let chk_armstrong = (num:number) => {
   var temp:number = num
   var arm:number = 0
   var n:number
   while(temp > 0){
        n = temp % 10
        temp = (temp - n) / 10
        arm = arm + n * n * n
   }

   if(arm == num) {
        console.log("It is Armstrong number")
   } else {
        console.log("It is not Armstrong number")
   }
}

chk_armstrong(153)
```



```
function chkstring(str:string):void {
   var str1:string = "Marvellous";
   if(str.indexOf(str1) != -1){
      console.log("String contains "+str1+" in it")
   }else{
      console.log("String not contains "+str1+" in it")
   }
}
var str:string = ""Pune Kothrud Marvellous Infosystems"

chkstring(str)
```

