1. Do the below programs in anonymous function & IIFE
   1. Print odd numbers in an array
   2. Convert all the strings to title caps in a string array
   3. Sum of all numbers in an array
   4. Return all the prime numbers in an array
   5. Return all the palindromes in an array
   6. Return median of two sorted arrays of same size
   7. Remove duplicates from an array
   8. Rotate an array by k times
2. <https://medium.com/@reach2arunprakash/guvi-zen-class-javascript-warm-up-programming-problems-15973c74b87f>
3. Do the below programs in arrow functions
   1. Print odd numbers in an array
   2. Convert all the strings to title caps in a string array
   3. Sum of all numbers in an array
   4. Return all the prime numbers in an array
   5. Return all the palindromes in an array

Ans

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| Qes1. |
|  |  |
|  | A.Print odd numbers in an array |
|  | ans A: |
|  | for(i=1; i<=10; i++) |
|  | { |
|  | if(i % 2 != 0) |
|  | { |
|  | console. log(i); |
|  | } |
|  | }; |
|  | output: |
|  | 1 |
|  | 3 |
|  | 5 |
|  | 7 |
|  | 9 |
|  |  |
|  |  |
|  |  |
|  | B.Convert all the strings to title caps in a string array |
|  | ans B: |
|  |  |
|  | function titleCaps(str) { |
|  | str = str.toLowerCase().split(" "); |
|  | for (var i = 0; i < str.length; i++) { |
|  | str[i] = str[i].toUpperCase() ; |
|  | } |
|  | return str.join(" "); |
|  | } |
|  | console.log(titleCaps("welcome to the class")); |
|  |  |
|  | output: |
|  | WELCOME TO THE CLASS |
|  |  |
|  | ---------- |
|  | C.Sum of all numbers in an array |
|  | ans C: |
|  |  |
|  | let array = [2, 4, 6, 8,10]; |
|  | let sum = 0; |
|  | for (let i = 0; i < array. length; i++) |
|  | { |
|  | sum += array[i]; |
|  | } |
|  | console. log(sum); |
|  |  |
|  | output: |
|  | 30 |
|  |  |
|  | ------------ |
|  | D.Return all the prime numbers in an array |
|  | ans D: |
|  |  |
|  | ------------- |
|  | E.Return all the palindromes in an array |
|  | ans E: |
|  |  |
|  | function palindrome(str) { |
|  |  |
|  | var len = str.length; |
|  | var mid = Math.floor(len/2); |
|  |  |
|  | for ( var i = 0; i < mid; i++ ) { |
|  | if (str[i] !== str[len - 1 - i]) { |
|  | return false; |
|  | } |
|  | } |
|  |  |
|  | return true; |
|  | } |
|  | console.log(palindrome("123454321")); |
|  |  |
|  | output: |
|  |  |
|  | true |
|  | -------- |
|  | F.Return median of two sorted arrays of same size |
|  | ans F: |
|  |  |
|  | -------- |
|  | G.Remove duplicates from an array |
|  | ans G: |
|  |  |
|  | var names = ["Mei","surya","siddik","raja","balu","surya","karthick"]; |
|  |  |
|  | var uniq = names.reduce(function(a,b) |
|  | { |
|  | if (a.indexOf(b) < 0 ) a.push(b); |
|  | return a; |
|  | },[]); |
|  |  |
|  | console.log(uniq); |
|  |  |
|  | output: |
|  |  |
|  | ["Mei", "surya", "siddik", "raja", "balu", "karthick"] (6) |
|  |  |
|  | -------- |
|  | H.Rotate an array by k times |
|  | ans H: |
|  |  |
|  | function RotateArray(arr,k) |
|  | { |
|  | for(let i = 0; i < k;i++) |
|  | { |
|  | let temp=arr[0]; |
|  | for(let j=0;j<arr.length;j++) |
|  | { |
|  | arr[j]=arr[j+1]; |
|  | } |
|  | arr[arr.length-1]=temp; |
|  | } |
|  | return arr; |
|  | } |
|  | let arr=[1,2,3,4,5]; |
|  | k=2; |
|  | console.log(RotateArray(arr,k)); |
|  |  |
|  | output: |
|  |  |
|  | [3, 4, 5, 1, 2] (5) |
|  | \_\_\_\_\_\_\_ |
|  |  |
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|  |  |
|  | Qes 3:Do the below programs in arrow functions |
|  |  |
|  | A.Print odd numbers in an array |
|  | ans A: |
|  |  |
|  | let num=(1,2,3,4,5,6,7,8,9,10,11); |
|  | let oddnumber =()=>{ |
|  | for (let i=1; i<num; i++) { |
|  | if(i % 2 !== 0) { |
|  | console.log(i); |
|  | } |
|  | } |
|  | };oddnumber() |
|  |  |
|  | output: |
|  |  |
|  | 1 |
|  | 3 |
|  | 5 |
|  | 7 |
|  | 9 |
|  | 11 |
|  | ------------- |
|  | B.Convert all the strings to title caps in a string array |
|  | ans B: |
|  |  |
|  | function titleCaps(str) { |
|  | str = str.toLowerCase().split(" "); |
|  | for (var i = 0; i < str.length; i++) { |
|  | str[i] = str[i].toUpperCase() ; |
|  | } |
|  | return str.join(" "); |
|  | } |
|  | console.log(titleCaps("welcome to the class")); |
|  |  |
|  | output: |
|  | WELCOME TO THE CLASS |
|  | --------------------------- |
|  | C.Sum of all numbers in an array |
|  | ans C: |
|  |  |
|  | let add = (x, y) => x + y; |
|  |  |
|  | console.log(add(10, 20)); |
|  |  |
|  | output: |
|  |  |
|  | 30 |
|  | -------- |
|  | D.Return all the prime numbers in an array |
|  | ans D: |
|  |  |
|  | -------- |
|  | E.Return all the palindromes in an array |
|  | ans E: |
|  | function palindrome(str) { |
|  |  |
|  | var len = str.length; |
|  | var mid = Math.floor(len/2); |
|  |  |
|  | for ( var i = 0; i < mid; i++ ) { |
|  | if (str[i] !== str[len - 1 - i]) { |
|  | return false; |
|  | } |
|  | } |
|  |  |
|  | return true; |
|  | } |
|  | console.log(palindrome("123454321")); |
|  |  |
|  | output: |
|  |  |
|  | true |