**Just don’t try to solve all these questions try to understand the concept behind it**

**Add your answers on yellow highlighted space,  
for your reference**

**Question 1: Can you write a function in JavaScript to reverse the order of words in a given string?**

**Add your answer here for practice**

**Question 2: Can you write a function in JavaScript to remove duplicate elements from an array?**

**Add your answer here for practice**

**Question 3: Can you write a function in JavaScript to merge two objects without overwriting existing properties?**

**Add your answer here for practice**

**Question 4: Can you write a function in JavaScript to get the current date in the format “YYYY-MM-DD”?**

**Add your answer here for practice**

**Question 5: Can you write a function in JavaScript to calculate the cumulative sum of an array?**

**Add your answer here for practice**

**Question 6: Can you write a function in JavaScript to split an array into chunks of a specified size?**

**Do it for all questions   
......**

**Question 7: Can you write a one-liner in JavaScript to find the longest consecutive sequence of a specific element in an array?**

**......**

**Question 8: Can you write a function in JavaScript to transpose a 2D matrix?**

**......**

**Question 9: Can you write a function in JavaScript to convert a string containing hyphens and underscores to camel case?**

**Question 10: Can you write a line of code in JavaScript to swap the values of two variables without using a temporary variable?**

**Question 11: Can you write a function in JavaScript to create a countdown from a given number?**

**Question 12: Can you write a function in JavaScript to convert a string to an integer while handling non-numeric characters gracefully?**

**Question 13: Can you write a function in JavaScript to convert a decimal number to its binary representation?**

**Question 14: Can you write a function in JavaScript to calculate the factorial of a given non-negative integer?**

**Question 15: Write a concise function to safely access a deeply nested property of an object without throwing an error if any intermediate property is undefined.**

**Question 16: Can you write a function in JavaScript to generate a random integer between a specified minimum and maximum value (inclusive)?**

**Question 17: Can you write a function in JavaScript to count the occurrences of each element in an array and return the result as an object?**

**Question 18: Can you write a function in JavaScript to capitalize the first letter of each word in a given sentence?**

**Question 19: Can you write a function in JavaScript to reverse a given string?**

**Question 20: Can you write a function in JavaScript to find the longest word in a given sentence?**

**Question 21: Can you write a function in JavaScript to rename a specific property in an object?**

**Question 22: Can you write a function in JavaScript to find the second-largest element in an array?**

**Question 23: Can you write a JavaScript function to group an array of objects by a specified property?**

**Question 24: Can you write a JavaScript function to find the missing number in an array of consecutive integers from 1 to N?**

**Question 25: Can you write a JavaScript function to reverse the key-value pairs of an object?**

**Question 26: Can you write a JavaScript function to check if a given string has balanced parentheses?**

**Question 27: Can you write a concise function in JavaScript to implement a simple debounce function that delays the execution of a given function until after a specified time interval has passed without additional calls?**

**Question 28: Can you write a JavaScript function to truncate a given string to a specified length and append “…” if it exceeds that length?**

**Question 29: Can you write a throttle function in JavaScript to implement a simple throttle function that limits the execution of a given function to once every specified time interval?**

**Question 30: Can you write a JavaScript function to check if a given string has all unique characters?**

**Question 31: Can you write a function in JavaScript to convert each string in an array of strings to uppercase?**

**Question 32: Can you write a JavaScript function to find the first non-repeated character in a given string?**

**Question 33: Can you write a JavaScript function to find the longest word in a sentence?**

**Question 34: Can you write a JavaScript function to flatten a nested object?**

**Question 35: Can you write a JavaScript function to rotate the elements of an array to the right by a specified number of positions?**

**Question 36: Can you write a JavaScript function to convert a given number of minutes into hours and minutes?**

**Question 37: Can you write a JavaScript function to generate a random password of a specified length?**

**Question 38: Can you write a JavaScript function to convert an RGB color to its hexadecimal representation?**

**Question 39: Can you write a JavaScript function to check if a given string has balanced brackets?**

**Question 40: Can you write a JavaScript function to generate a unique identifier?**

**Question 41. Program to find longest word in a given sentence ?**

**Question 42. How to check whether a string is palindrome or not ?**

**Question 43. Write a program to remove duplicates from an array ?**

**Question 44. Program to find Reverse of a string without using built-in method ?**

**Question 45. Find the max count of consecutive 1’s in an array ?**

**Question 46. Find the factorial of given number ?**

**Question 47. Given 2 arrays that are sorted [0,3,4,31] and [4,6,30]. Merge them and sort [0,3,4,4,6,30,31] ?**

**Question 48. Create a function which will accepts two arrays arr1 and arr2. The function should return true if every value in arr1 has its corresponding value squared in array2. The frequency of values must be same.**

**Question 49. Given two strings. Find if one string can be formed by rearranging the letters of other string.**

**Question 50. Write logic to get unique objects from below array ?**

**I/P: [{name: "sai"},{name:"Nang"},{name: "sai"},{name:"Nang"},{name: "111111"}];**

**O/P: [{name: "sai"},{name:"Nang"}{name: "111111"}**

**Question 51. Write a JavaScript program to find the maximum number in an array.**

**Question 52. Write a JavaScript function that takes an array of numbers and returns a new array with only the even numbers.**

**Question 53. Write a JavaScript function to check if a given number is prime.**

**Question 54. Write a JavaScript program to find the largest element in a nested array.**

**[[3, 4, 58], [709, 8, 9, [10, 11]], [111, 2]]**

**Question 55. Write a JavaScript function that returns the Fibonacci sequence up to a given number of terms.**

**Question 56. Given a string, write a javascript function to count the occurrences of each character in the string.**

**Question 57. Write a javaScript function that sorts an array of numbers in ascending order.**

**Question 58. Write a javaScript function that sorts an array of numbers in descending order.**

**Question 59. Write a javaScript function that reverses the order of words in a sentence without using the built-in reverse() method.**

**Question 60. Implement a javascript function that flattens a nested array into a single-dimensional array.**

**Question 61. Write a function which converts string input into an object**

**("a.b.c", "someValue");**

**{a: {b: {c: "someValue"}}}**