## **Beginner Assignment**

## **JavaScript Conditional Statement Assignments:**

- 1. Write a program to check if a number is divisible by 7 or not?
- 2. Write a program to check if a number is multiple of 3 or not?
- 3. Write a program to check if a number is positive or not?
- 4. Write a program to check if a number is having 4 at the unit's place or not?
- 5. Write a program to check if a number is 3-digit numbers or not?
- 6. Write a program to print even or odd for a given number?
- 7. Write a program to print the greatest number in given two numbers?
- 8. Write a program to print the least number given two numbers?
- 9. Write a program to print the greatest number in given three numbers?
- 10. Write a program to print the least number in given three numbers?
- 11. Write a program to print the given 3 numbers in ascending orders?
- 12. Write a program to print the given 3 numbers in descending orders?
- 13. JavaScript Program to find largest of Three Numbers?

#### JavaScript While Loop and For Loop

- 1. Write a program to print 1 to 10 numbers using a while loop
- 2. Write a program to print 10 to 1 number using a while loop
- 3. Write a program to print 5 to 15 numbers using For Loop
- 4. Write a program to print 15 to 10 numbers using for Loop
- 5. Write a program to print 1 to 10 even numbers using a while loop
- 6. Write a program to print 1 to 10 odd numbers using For Loop
- 7. Write a program first ten multiples of 4 using a while loop
- 8. (Multiple of 4 are 4, 8, 12, 16.)
- 9. Write a program to print a multiplication table of 6 using a while loop.
- 10. Write a program Factors of 24 using while loop

- 11. (Factors of 24 are 1, ,3, 4, 6, 12, 24)
- 12. Write a program to print reverse of digits of numbers
- 13. Write a program to read 5 numbers and print only the even numbers
- 14. Write a program to print the Fibonacci number series up to a given number
- 15. Expected out 17 -: 0 1 1 2 3 5 8 13
- 16. Write a program to check a given number is Armstrong number or not

# JavaScript - Array Assignment and Learning Path

## **Complete JavaScript – Arrays**

- 1. How to Create Arrays in JavaScript.
- 2. How to Access Items from Arrays in JavaScript.
- 3. How to Access the Last Item from an Array in JavaScript.
- 4. How to Access All Items from Array Using for Loop in JavaScript.

## **Array of Objects**

- 5. How to Create Array of Objects in JavaScript
- 6. How to Access Array of Objects Item in JavaScript
- 7. How to Create 2D Array in JavaScript
- 8. Simple Program to Sum of 2D Array in JavaScript
- 9. How to Access 2D Array Item in JavaScript
- 10. JavaScript Array Push Method
- 11. JavaScript Array Pop Method
- 12. JavaScript Array Shift Method
- 13. JavaScript Array Unshift Method

### Slicing/ Array Slicing

- 14. JavaScript Array Splice Method Explanation
- 15. JavaScript Array Slice Method Explanation
- 16. How to Copy Data from Array in JavaScript
- 17. JavaScript Array Copy Data vs Copy Reference

- 18. JavaScript Use of indexof Method
- 19. How to Find Index of Item in Array in JavaScript
- 20. How to Find Object from Array of Object in JavaScript

#### Find and Index

- 21. JavaScript Array find Method
- 22. JavaScript Array findIndex Method
- 23. JavaScript Object Find Index in Array
- 24. JavaScript lastIndex of Method

## **Array Supporting Functions - ES6**

- 25. JavaScript Array forEach () Method
- 26. JavaScript Array .map() Method to Work with Each Item of Array
- 27. JavaScript Array .sort() Method
- 28. JavaScript Array Sort Object Data using .sort() Method
- 29. JavaScript Array Custom Sort for Objects
- 30. JavaScript Array. reverse () Method
- 31. How to Sort Item in Reverse Order of Array in JavaScript
- 32. Create a Simple Program for Sorting and Filter Data of Food
- 33. Sort Table Data in HTML JavaScript Using sort () Method
- 34. JavaScript .includes() Method Example
- 35. JavaScript Array filter () Method Example
- 36. How to Use Filter Method in JavaScript Array

### <u>JavaScript – Recent Interview Questions</u>

- 1. Write a JavaScript program to capitalize your first letter?
- 2. Write a JavaScript program to find the longest word?
- 3. Write a JavaScript program to remove duplicate names?
- 4. Write a JavaScript program to find the second largest number?
- 5. Write a JavaScript program to remove duplicates from arrays?

# JavaScript - Task

- 1. Expense Tracker
- 2. Validate **Indian Mobile Number** using RegularExpression? How to construct Regular Expression?
- 3. Calculator App
- 4. Todo App
- 5. Flipkart Image zoom functionality?
- 6. Convert Image into String Format?
- 7. Digital Clock using JS, Bootstrap?
- 8. Form Validation
- 9. Currency Converter
- 10. Weather App
- 11. CRUD App using MySQL/MongoDB
- 12. Movie DB Api