JavaScript Practice Questions

1) Write a program that takes an array of numbers and prints the sum of all even numbers.

2) Create a function that takes a string and returns `true` if it is a palindrome, and `false` otherwise.

3) Write a program that uses a switch statement to print the day of the week based on a number (1 for Monday, 2 for Tuesday, etc.).

4) Create an arrow function that calculates the square of a number.

5) Write a program that uses a `for` loop to print all numbers from 1 to 100 that are divisible by 5.

6) Given an array of objects with `name` and `age`, write a function that filters out and prints only the objects where the age is greater than 18.

7) Write a function that checks if a given string contains only unique characters.

8) Create a function that takes an object and prints all its keys and values.

9) Write a program that sorts an array of numbers in descending order.

10) Given an array of strings, write a function that returns the longest string in the array.

11) Create a program that generates a random number between 1 and 10 until the number 7 is generated.

12) Write a program that converts a string to title case (capitalizes the first letter of each word).

13) Write a function that accepts an array of numbers and returns a new array with each number squared.

14) Use a `while` loop to keep asking the user to enter a number until they enter a negative number.

15) Write a program to count how many times a specific character appears in a given string.

16) Given an object representing a shopping cart, write a function to calculate the total cost of items in the cart.

17) Create a function that takes a sentence and returns the number of words in it.

18) Write a function that takes a number and returns the factorial of that number.

19) Write a program that checks if a given year is a leap year.

20) Create a function that takes an array and returns a new array with duplicate elements removed.

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22) Write a program that reverses a given string without using built-in functions.

23) Create a program that calculates the number of vowels and consonants in a string.

24) Write a function that accepts an object and returns an array of its values.

25) Use the `map` method to create a new array that doubles the values of an existing array.

26) Write a function that counts how many numbers in an array are greater than a given number.

27) Create a function that takes two strings and checks if they are anagrams.

28) Given an array of numbers, write a program that prints the second highest number.

29) Write a program that finds the longest word in a sentence.

30) Create a function that sorts an array of objects based on a specific property.

31) Write a function to merge two arrays and remove duplicates.

32) Write a program that converts a number to its binary equivalent.

33) Create a program that calculates the sum of digits in a given number.

34) Write a function that accepts an array and returns the largest difference between any two numbers in the array.

35) Use the `reduce` method to calculate the sum of numbers in an array.

36) Write a program that generates a random password of a given length using letters, numbers, and special characters.

37) Given a string, write a function that checks if it contains any digits.

38) Write a function that accepts an object and returns a new object with keys and values swapped.

39) Create a function that returns the Fibonacci series up to a given number.

40) Write a function that takes an array and returns a new array with all elements doubled.

41) Write a program that converts a sentence into "Pig Latin."

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43) Given an array of strings, write a function that returns an array of strings that start with a specific letter.

44) Create a function that accepts a string and returns the string with all vowels removed.

45) Write a program that finds the sum of all prime numbers between 1 and 100.

46) Use the `filter` method to create a new array that contains only even numbers from an existing array.

47) Write a function that takes an object and prints only the values that are strings.

48) Create a function that counts how many words in a sentence are palindromes.

49) Write a program that finds the most frequently occurring word in a sentence.

50) Write a function that takes two arrays and returns a new array that contains only the common elements.

51) Create a function that takes an array of numbers and returns the sum of numbers at even indices.

52) Write a function that converts a given number of minutes into hours and minutes.