JavaScript Interview Questions

1. What is JavaScript?
2. Who developed JavaScript, and what is the first name of JavaScript?
3. Are ECMAScript and javascript related? How?
4. Is JavaScript case-sensitive?
5. What are the different data types present in javascript?
6. What do you mean by NULL in JavaScript?
7. What do you mean by undefined value in JavaScript?
8. Difference between " == " and " === " operators.
9. What do you mean by the "===" operator?
10. Difference between var and let keyword in javascript.
11. Explain Implicit Type Coercion in javascript.
12. What is NaN property in JavaScript?
13. What Should be the answer of 10+2+ "77"?
14. What is the use of the delete operator?
15. What do you mean by Escape characters?
16. Name all the types of Pop up boxes available in JavaScript?
17. What do you mean by Cookies JavaScript?
18. How should we create a cookie in JavaScript?
19. How can you read a cookie in JavaScript?
20. What is DOM?

JavaScript Conditional Statement Assignments:
21. Write a program to check if a number is divisible by 7 or not?
22. Write a program to check if a number is multiple of 3 or not?
23. Write a program to check if a number is positive or not?
24. Write a program to check if a number is 3-digit numbers or not?
25. Write a program to print even or odd for a given number?
26. Write a program to print the greatest number in given two numbers?
27. Write a program to print the least number given two numbers?
28. Write a program to print the greatest number in given three numbers?
29. Write a program to print the least number in given three numbers?
30. Write a program to print the given 3 numbers in ascending orders?
31. Write a program to print the given 3 numbers in descending orders?

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32. JavaScript Program to find largest of Three Numbers?

33. JS Program check if a number is divisible by 7 or not using a ternary operator?

34. JS Program to check if a number is multiple of 3 or not using a ternary operator?

35. Write a program to check if a number is positive or not using a ternary operator?

36. JS Program to check if a number is 3-digit numbers or not using a ternary operator?

37. Write a program to print even or odd for a given number using a ternary operator?

JavaScript Iterative Statement Assignments:

38. Write a program to print 1 to 10 numbers using a while loop

39. Write a program to print 10 to 1 number using a while loop

40. Write a program to print 5 to 15 numbers using while Loop

41. Write a program to print 15 to 10 numbers using while Loop

42. Write a program to print 1 to 10 even numbers using a while loop

43. Write a program to print 1 to 10 odd numbers using while Loop

44. Write a program to print 1 to 100 numbers using a for loop

45. Write a program to print 100 to 1 number using a for loop

46. Write a program to print 50 to 150 numbers using For Loop

47. Write a program to print 15 to 10 numbers using for Loop

48. Write a program to print 1 to 10 even numbers using a for loop

49. Write a program to print 1 to 10 odd numbers using For Loop

50. Write a program to print 1 to 10 numbers using a do while loop

51. Write a program to print 10 to 1 number using a do while loop

52. Write a program to print 5 to 15 numbers using do while Loop

53. Write a program to print 15 to 10 numbers using do while Loop

54. Write a program to print 1 to 10 even numbers using a do while loop

55. Write a program to print 1 to 10 odd numbers using do while Loop

56. Write a program first ten multiples of 4 using a while loop (4, 8, 12, 16…)

57. Write a program to print a multiplication table of 6 using a while loop.

58. Write a program Factors of 24 using while loop
    (Factors of 24 are 1, ,3, 4, 6, 12, 24)

59. Write a program to print reverse of digits of numbers

60. Write a program to read 5 numbers and print only the even numbers

61. Write a program to print the Fibonacci number series up to a given number.
    Expected out 17 -: 0 1 1 2 3 5 8 13

62. Write a program to check if a given number is an Armstrong number or not.

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63. What is the difference between Do-While and While Loop?
64. How does the Do-While loop work?
65. How does the For-Loop work?
66. Is it possible to skip or omit parts of the for-loop settings?
67. Can you stop a loop based on a specific condition?
68. What is the difference between the break statement and the continue directive?
69. What are the different ways to iterate over an array in JavaScript?
70. What is the difference between a for loop, a while loop, and a do...while loop?
71. When would you use each type of loop?
72. What are some common mistakes people make when iterating over arrays?

73. Can you write a function that takes an array and returns a new array with only the unique elements?
74. Can you write a function that takes an array and returns the sum of all the elements?
75. Can you write a function that takes an array and returns the index of the first occurrence of a given value?
76. Can you write a function that takes an array and reverses the order of the elements?

Javascript Functions

77. What is a function in JavaScript?
78. What are the different types of functions in JavaScript?
79. What is the difference between a function declaration and a function expression?
80. What are the benefits of using functions in JavaScript?
81. What is the difference between a function parameter and a function argument?
82. What is the difference between a named function and an anonymous function?
83. Can you give me an example of an anonymous function?
84. What are some common function properties in JavaScript?
85. Can you give me an example of a function property?
86. What are some common function methods in JavaScript?
87. What is the difference between a function method and a function property?
88. What are some best practices for writing functions in JavaScript?
89. What is hoisting in JavaScript?
90. What is a closure in JavaScript?
91. What is a higher-order function in JavaScript?

JavaScript - Array Assignment and Learning Path

92. How to Create Arrays in JavaScript.
93. How to Access Items from Arrays in JavaScript.

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94. How to Access the Last Item from an Array in JavaScript.

95. How to Access All Items from Array Using for Loop in JavaScript.

Array of Objects

96. How to Create Array of Objects in JavaScript

97. How to Access Array of Objects Item in JavaScript

98. How to Create 2D Array in JavaScript

99. Simple Program to Sum of 2D Array in JavaScript

100.   How to Access 2D Array Item in JavaScript

101.   JavaScript Array Push Method

102.   JavaScript Array Pop Method

103.   JavaScript Array Shift Method

104.   JavaScript Array Unshift Method

Slicing/ Array Slicing

105.   JavaScript Array Splice Method Explanation

106.   JavaScript Array Slice Method Explanation

107.   How to Copy Data from Array in JavaScript

108.   JavaScript Array Copy Data vs Copy Reference

109.   JavaScript Use of indexof Method

110.   How to Find Index of Item in Array in JavaScript

111.   How to Find Object from Array of Object in JavaScript

Find and Index

112.   JavaScript Array find Method

113.   JavaScript Array findIndex Method

114.   JavaScript Object Find Index in Array

115.   JavaScript lastIndex of Method

Array Supporting Functions – ES6

116.   JavaScript Array forEach () Method

117.   JavaScript Array .map() Method to Work with Each Item of Array

118.   JavaScript Array .sort() Method

119.   JavaScript Array Sort Object Data using .sort() Method

120.   JavaScript Array Custom Sort for Objects

121.   JavaScript Array. reverse () Method

122.   How to Sort Item in Reverse Order of Array in JavaScript

123. Create a Simple Program for Sorting and Filter Data of Food
124. Sort Table Data in HTML JavaScript Using sort () Method
125. JavaScript .includes() Method Example
126. JavaScript Array filter () Method Example
127. How to Use Filter Method in JavaScript Array

JavaScript – Recent Interview Questions

128. Write a JavaScript program to capitalize your first letter?
129. Write a JavaScript program to find the longest word?
130. Write a JavaScript program to remove duplicate names?
131. Write a JavaScript program to find the second largest number?
132. 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 -JS fetch
10. Weather App   -JS fetch
11. CRUD App - using MySQL/MongoDB
12. Movie DB Api

Form Validation using Javascript:
https://www.freecodecamp.org/news/learn-javascript-form-validation-by-making-a-form/

CSS Task

Task 1:
create Navbar without bootstrap styles: use html,css

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Task 2:

Please complete the CSS video's - as early as possible.(first video)

https://www.youtube.com/watch?v=eOG90Q8EfRo

https://www.youtube.com/watch?v=qdEBrz3TUWU

Note: After completing Please share your **github url** and with **project repository path**.

Recent Interview - UI Developer - Interview Q and A. Note: Fahad Attended TCS Interview

1. What's the difference between == and ===? (check)
2. What's promise in JS? (check)
3. What's async await in JS? (check)
4. How can you make API calls in JS? (check)
5. If we have an array const arr = ["a", "b", "c", "d", "e", "f"]
   How do you filter out and print that string "f" is present in an array using the inbuilt array methods?

CSS
1. Do you know about media queries?(check)
2. How do you apply the scroll thumb in the right and below to scroll down and scroll sideways?(check partially) - could recall the property only x-scroll
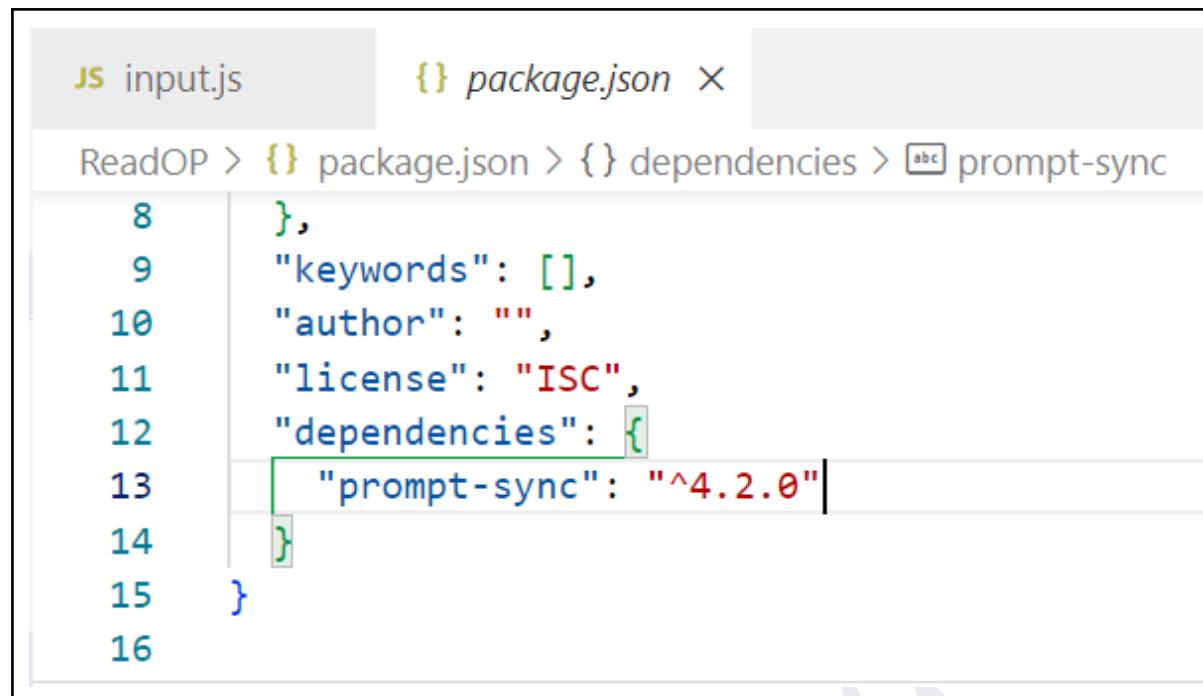
React
1. What is React?(check)
2. Why React is used instead of JS?(check)
3. What Hooks you have used currently?(check)
4. Write the syntax of useState Hook and explain the syntax?(check)
5. Hello button is created on UI and i want to click to change the innerText of that button with useState Hook write the code using functional component?(uncheck)- Wasn't prepared on React and i freezed after writing up the wrong syntax.
6. Have you used useRef And useContext hook?

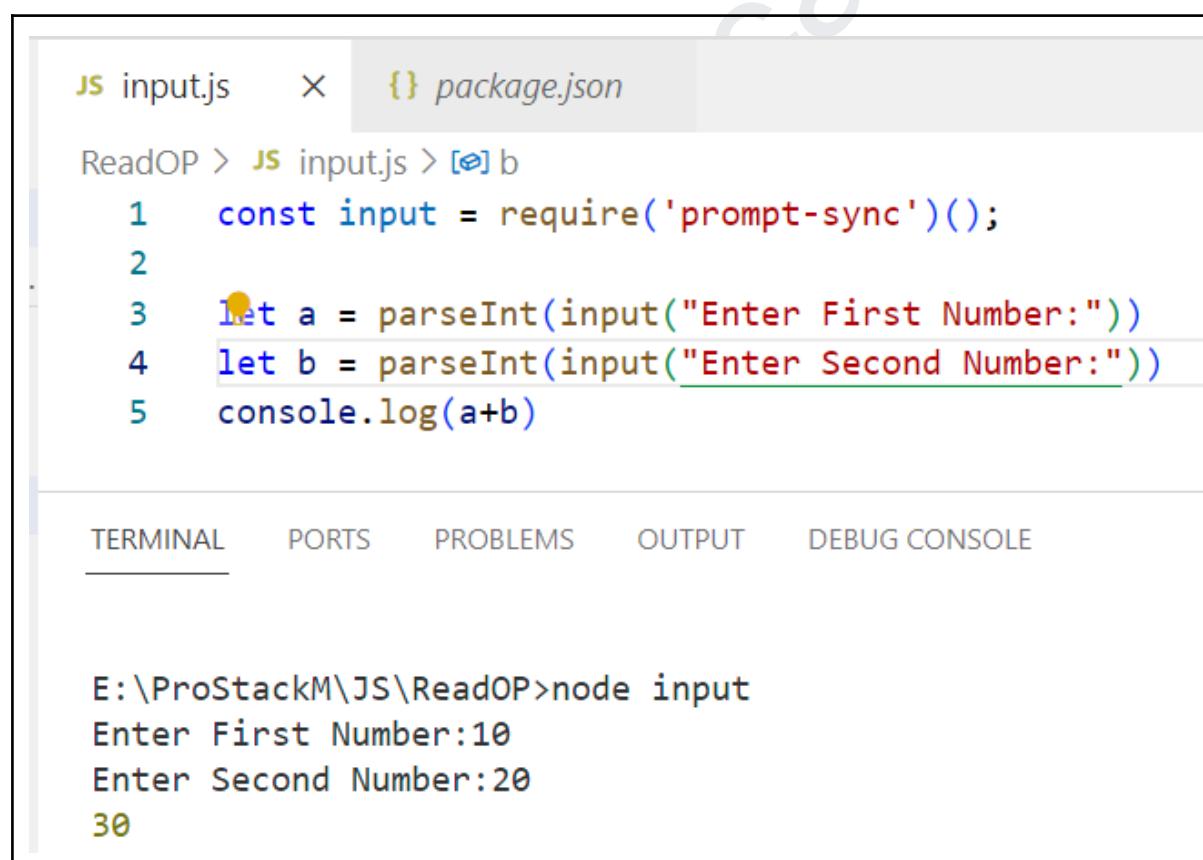**How to read data from the console in Javascript?**

Step 1: npm init -y
Step 2: npm install prompt-sync
Step 3: Write a program to read data from the console.

JS input.js   {} *package.json* ✕

ReadOP > {} package.json > {} dependencies > 🔤 prompt-sync

```json
 8        },
 9        "keywords": [],
10        "author": "",
11        "license": "ISC",
12        "dependencies": {
13          "prompt-sync": "^4.2.0"
14        }
15      }
16
```

JS input.js   ✕   {} *package.json*

ReadOP > JS input.js > [∅] b

```js
1    const input = require('prompt-sync')();
2
3    let a = parseInt(input("Enter First Number:"))
4    let b = parseInt(input("Enter Second Number:"))
5    console.log(a+b)
```

TERMINAL   PORTS   PROBLEMS   OUTPUT   DEBUG CONSOLE

```
E:\ProStackM\JS\ReadOP>node input
Enter First Number:10
Enter Second Number:20
30
```