

# BASIC JAVASCRIPT QUESTIONS

1. Reverse a given string.
2. Find the sum of all elements/numbers of a given array.
3. Reverse each word in a string.  
Input: Hi my name is <Your Name>  
Output: iH ym eman si <Your Name in Reverse>
4. Check if the entered number is palindrome or not?
5. Find the next palindrome number after 1991.
6. Write a code to find the third largest number in an array without sorting.
7. Write a function to generate random numbers and find if it's prime or not.
8. Write a function to generate random numbers and find if it's even or not.
9. Write logic to swap values of two variables without using a third variable.
10. In an array of 100 elements, 1 to 100 are stored but 0 is stored for one random number. Write a program to find the missing number.
11. Write a program to display the duplicate characters of a String.
12. Write a program to find the occurrences of each number of an array of 20 elements.
13. Write a program to remove duplicate values from an array of integers.
14. Using the below Map :

```
{  
Developer: 5,  
Designer: 3,  
QA: 4,  
Manager: 1  
}
```

Output below arrays dynamically :

A) [['Developer', 'Developer', 'Developer', 'Developer', 'Developer'], ['Designer', 'Designer', 'Designer'], ['QA', 'QA', 'QA', 'QA'], ['Manager']]

B) ['Developer', 'Developer', 'Developer', 'Developer', 'Developer', 'Designer', 'Designer', 'Designer', 'QA', 'QA', 'QA', 'QA', 'Manager']

15. If provided the following input :

React Python Ansi-C javascript python Ansi-C JAVA PYTHON Ansi-C Java Ansi-C Javascript Python Ansi-C  
Java Ansi-C React JavaScript Ansi-C Java pythoN React javaScript AngularR Ansi-C Python angular Java  
Javascript

Output in the below format :

Word	Freq
Ansi-C	8
Python	6
Java	5
Javascript	5
React	3
Angular	2

Sort in descending order of frequency and ascending order of dictionary if the frequency is the same.

# ADVANCED JAVASCRIPT QUESTIONS

(OPTIONAL - WILL NOT CONSIDER FOR EVALUATION)

1. Write a program to multiply two numbers of any length ( $1 \leq \text{length} \leq 100$ ) (Note: Don't use any library classes like a big integer)

Example:

1234 x 5678

1 x 2345876549

123434545546547675012394 x 1223435436565796877608

2. Valid mobile number detection based on the following condition:
  - a. The mobile number should have a length of 10 or more digit
  - b. The first digit should  $\geq 6$
  - c. Can also have +91, 0, 91 as the prefixIf the mobile number is valid output the input mobile number in the below format: (+91)999-899-9891