

Important Technical Interview Programming Questions

This Programming Questions were Asked in **Tech Mahindra, TCS, Wipro, Infosys, Accenture, Capgemini** and Many Other Service and Product Based Companies

Learn to write a program using complete logic and avoid using shortcuts to solve the program for example: we use replace method(replace()) to replace a number or a string avoid using this type of method because interviewer will expect complete logic.

1. Write a Program to Swap Two Numbers.

Input: a=10 b=20

Output: a=20 b=10

2. Write a Program to Reverse a Number.

Input: 1234

Output: 4321

3. Write a Program to Reverse a String.

Input: "ABCD"

Output: DCBA

4. Write a Program for Fibonacci Series.

Ex- Fibonacci Series till 10 Terms:

0, 1, 1, 2, 3, 5, 8, 13, 21, 34

5. Write a Program to Find Whether the Number is Palindrome or Not.

Input: 1221

Output: 1221 – is a Palindrome

6. Write a Program to Find Whether the String is Palindrome or Not.

Input: DAD

Output: DAD – is a Palindrome

7. Write a Program to Find Prime Numbers in Given Range.

Input: 2 10

Output: Prime Numbers bw 2 and 10 are – 2 3 5 7

8. Write a Program to Find Whether the given Number is Prime Number or Not.

Input: 2

Output: Prime Number

<p>9. Write a Program to find Factorial of a Number.</p> <p>Input: 5 Output: 120 $5! = 5 \times 4 \times 3 \times 2 \times 1 = 120$</p>	
<p>10. Write a Program to Check Number is Armstrong Number.</p> <p>Input: 153 Output: yes 153 is an Armstrong Number $1 \times 1 \times 1 + 5 \times 5 \times 5 + 3 \times 3 \times 3 = 153$</p>	
<p>11. Write a Program to Count Number of digits in a Number.</p> <p>Input: 1234 Output: No of digits are = 4</p>	
<p>12. Write a Program to Count Number of Even and Odd Digits in a Number.</p> <p>Input: 1234 Output: Even Numbers:2 Odd Numbers: 2</p>	
<p>13. Write a Program to Find Number is Even or Odd.</p> <p>Input:2 Output: Even Number</p>	
<p>14. Write a Program to Find Sum of Digits in a Number.</p> <p>Input: 1234 Output: 10</p>	
<p>15. Write a Program to Find the Largest Number.</p> <p>Input: a=10 , b=20, c=30 Output: Largest Number is 30</p>	
<p>16. Write a Program to Generate Random Number and String.</p>	
Arrays	
<p>17. Write a Program to find the Sum of Elements in Array.</p> <p>Input: a[]={1,2,3,4}</p>	

Ouput:10	
18. Write a Program to Print Even and Odd Numbers in Array. Input: a[]={1,2,3,4} Output: Even Numbers 2,4 Odd NUMBERS 1,2	
19. Write a Program to Check 2 Arrays are Equal or Not. Input: a[]={1,2,3,4} b[]={1,2,3,4} output: a and b are equal	
20. Write a Program to Find Missing Number in Array. Input: a[]={1,2,3,5} Output: Missing number is 4	
21. Write a Program to Find the Max and Min Element in Array. Input: a[]={3,4,5,6} Output: Max is 6 Min is 3	
22. Write a Program to Find the Duplicate Number in Array. Input: a[]={3,4,5,6,6} Output: Dublicate no is 6	
23. Write a Program to Find Second Largest Number in Array. Input: a[]={3,4,5,6,6} Output: Second Largest Element is 5	
Strings	
24. Write a Program to Remove all the White Space in a String. Input: str="Follow Code Yatra" Output: FollowCodeYatra	
25. Write a Program to Count the Occurrence of a Character in a String. Input: str="Follow Code Yatra" Output: a occurred 2 times	

26. Write a Program to Count Words in a String. Input: str="Follow Code Yatra" Output: 3	
27. Write a Program to Reverse Each Word in a String. Input: str="Follow Code Yatra" Output: wolloF edoC artaY	
28. Write a Program to Remove Junk or Special character in a String Input: str="!@\$Follow Code Yatra" Output: Follow Code Yatra	
Algorithms	
29. Write a Program to Search an Element in Array (Linear Search).	
30. Write a Program to Search an Element in Array (Binary Search).	
31. Write a Program to Sort Elements in Array (Bubble Sort (imp), Selection Sort, Insertion Sort, Merge Sort, Quick Sort, Heap Sort).	
Pattern Programming	
32. Solve 30+ Pattern Programming Problems.	

If You are Preparing for High paid Job then Solve More Problems on Arrays, Strings, Linked List, Stacks and Queues, Recursion and Backtracking, Heaps, Tree, Graphs and Dynamic Programming Resource will be available Soon.