**Most Important c# logical problems**

**🔢 Number-Based Questions**

1. Write a program to check if a number is prime.
2. Write a program to find the factorial of a number.
3. Write a program to generate the Fibonacci series.
4. Write a program to check if a number is an Armstrong number.
5. Write a program to check if a number is a palindrome.
6. Write a program to find the sum of digits of a number.
7. Write a program to find whether a number is even or odd.
8. Write a program to find the largest of three numbers.
9. Write a program to swap two numbers without using a third variable.
10. Write a program to count the number of digits in a number.

**🔠 String-Based Questions**

1. Write a program to reverse a string.
2. Write a program to check if a string is a palindrome.
3. Write a program to count vowels and consonants in a string.
4. Write a program to find the frequency of each character in a string.
5. Write a program to remove duplicate characters from a string.

**🟦 Pattern/Pyramid Printing Questions**

1. Print a right-angled triangle pattern using stars.
2. Print a number triangle pattern (1, 12, 123...).
3. Print an inverted star pattern.
4. Print a pyramid pattern of stars.
5. Print a diamond pattern using stars.

**📊 Array and Logic-Based Questions**

1. Write a program to find the largest element in an array.
2. Write a program to sort an array in ascending order.
3. Write a program to count even and odd numbers in an array.
4. Write a program to find the sum of all elements in an array.
5. Write a program to reverse the elements of an array.
6. Write a program to merge two arrays.
7. Write a program to find duplicates in an array.
8. Write a program to find the second largest element in an array.