

SR. No	List of Problem Statement
1	Implement a program to check if a given number is prime or not.
2	Write a C++ program to display the Fibonacci sequence up to N terms.
3	Implement a program to print the multiplication table of a given number.
4	Write a program that checks if a number is a perfect number.
5	Implement a program to find the roots of a quadratic equation.
6	Create a program to calculate the power of a number using a loop.
7	Create a program to check if a given string is a palindrome.
8	Implement a C++ program that simulates a simple ATM machine, allowing users to check their balance, deposit, or withdraw money using a switch statement.
9	Create a program to check if a character is a vowel or consonant.
10	Implement a program that finds the largest among three numbers using nested if-else statements.
11	Write a C++ program to check if a number is prime or composite.
12	Implement a program that determines the grade of a student based on their marks of 5 subjects.
13	Implement a program to find the GCD of two numbers using a for loop.
14	Write a C++ program to find the sum of digits of a number until it becomes a single-digit number.
15	Implement a program that generates a pattern of a pyramid using nested loops.
16	Implement a program to print a Pascal's triangle using nested loops.
17	Calculate the sum of series $1/1! + 2/2! + 3/3! + \dots + N/N!$ using nested loops.
18	Create an array of strings and display them in alphabetical order.
19	Implement a program to reverse an array in-place.
20	Create a program that checks if an array is sorted in ascending order.
21	Write a program to find the majority element in an array (element appearing more than $N/2$ times).
22	Create a program to find the Kth smallest element in an array.
23	Calculate the sum of elements in each row of a matrix.
24	Write a program to generate all possible permutations of a string.
25	<p>Create a C++ program to print the following pattern:</p> <pre> ***** * * * * * * ***** </pre>
26	<p>Write a C++ program to display the following pattern:</p> <pre> 1 232 34543 4567654 34543 232 1 </pre>