C++ Assignment

1. Write a C++ program that prints "Hello, World!" to the console.
2. Write a C++ program that takes two integer inputs from the user and prints their sum.
3. Write a C++ program to swap two numbers without using a third variable
4. Write a C++ program that checks whether a number entered by the user is even or odd.
5. Write a C++ program that takes two numbers and an operator (+, -, *, /) as input and performs the corresponding operation.
6. Write a C++ program that takes n numbers as input, stores them in an array, and finds the largest number.
7. Write a C++ program that takes an integer input and calculates the sum of its digits.
8. Write a C++ program to take n elements in an array and print them in reverse order.
9. Write a C++ program to check if a given number is palindromic (reads the same forward and backward).
10. Write a C++ program to print the Fibonacci series up to n terms.
11. Write a C++ program that takes a string as input and counts the number of vowels (a, e, i, o, u).
12. Write a C++ program to find the GCD of two numbers
13. Write a C++ program to multiply two matrices(Array).
14. A number is an Armstrong number if the sum of its digits raised to the power of the number of digits is equal to the number itself (e.g., $153 = 1^3 + 5^3 + 3^3$). Write a C++ program to check if a number is Armstrong.
15. Write a C++ program to print Pascal's triangle up to n rows.