C++ Recursion Function in Function Lab 'C' 2-1-2023

1.	Code recursive function to check whether a given number num is a prime number or not. Use this function to code a recursive function which prints first n prime numbers. Hint: call first recursive function in the second recursive function.
2.	Code recursive function to reverse a given number num. Use this function to code a recursive function to reverse the elements of an array A along with reverse the sequence of elements as well. Example : Input : A = { 758 , 45 , 253 , 691 , 56 } Output : A = { 65 , 196 , 352 , 54 , 857 }
3.	Code recursive function to check whether a given matrix rows are equal or not. If so, print the number of rows which are equal. Example : Input : Matrix 1 2 3 4 1 2 5 6 1 2 3 4 1 2 5 6 4 5 6 7 1 2 3 4 Output : Rows 0 , 2 are equal Rows 0 , 5 are equal Rows 1 , 3 are equal Rows 2 , 5 are equal
4.	Code a recursive function which prints the numbers in next minimum order of a given Array. Input : A = { 45, 36 , 9 , 18, 54, 27, 81 } Output : 9 18 27 36 45 54 81
5.	Code recursively to generate any pattern of your own, out of the given previous patterns.