

## Week-2 - Assignment Questions

1. Take two array as input, merge them and print it in reverse order using loop
2. Write a C++ program to sort a given array using function.
3. Write a C++ program to copy the elements of one array into another array.
4. Write a C++ program to find maximum occurring integer in an array.
5. Write a C++ program to find the second smallest elements in a given array of integers(all elements of array distinct).
6. Write a C++ program that takes two 2D arrays (matrices) of size  $3 \times 3$  as input from the user. First, the program should calculate and print the sum of the two original matrices. After that, it should compute the transpose of both the original matrices. Finally, the program should calculate and display the sum of the two transposed matrices as well.
7. Find the Nth Fibonacci number using recursion.
8. Find the sum of digits of a number using recursion.
9. Print all elements of an array using recursion.