

### **ASSIGNMENT-1**

Write a C program using modular approach for the following problem definitions. Use pointers wherever necessary.

1. Find the Factorial of a number
2. Find GCD and LCM of two numbers
3. Check whether given number is palindrome or not
4. Display Fibonacci series upto Nth term
5. Display all prime numbers in a given range between m and n
6. Compute  $nCr$  and  $nPr$
7. Count the Number of uppercase and lowercase letters in a string
8. Check whether the character is uppercase or not without using library function
9. Concatenate two strings without using `strcat ( )`
- 10.Sort names in an alphabetical order
- 11.Add principal diagonal elements of the array(primary and secondary diagonal)
- 12.Transpose of a matrix
- 13.Multiplication of two matrices
- 14.Search occurrence of a character in a string
- 15.Highest and lowest element of an array
- 16.Linear search
- 17.Reverse the elements of an array
- 18.Inserting an element at a particular position
- 19.Deleting the chosen element from an array
- 20.Bubble sort

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