**Lab Assignment**

**Recursion**

1. Write a program in C to print even or odd numbers in a given range using recursion.
2. Write a program in C to check if a number is Palindrome using recursion.
3. Write a program in C for string reversal using recursion.
4. Write a program in c to find first uppercase letter in a string using recursion.
5. Write a program in c to multiply two numbers using recursion (Do not use multiply operator).
6. Write a recursive C program to find Minimum and Maximum elements of array.
7. Write a program in c to find sum of array elements using recursion.
8. Write a program in c to search an element in a sorted array using binary search.
9. Write a program in c to search an element in a sorted array using linear search.
10. Write a program in c to compute factorial of a number using recursion.
11. Write a program in c to find nth Fibonacci number using recursion.
12. Write a program in c to implement Tower of Hanoi Algorithm.
13. Write a program in c to compute length of a string using recursion
14. Write a program in C to find G.C.D Using Recursion.
15. Write a program in C to compute the summation of the digits in the given number.
16. Write a program in C to compute the value of a number raised to the power “power”.
17. Write a C program to find reverse of any number using recursion.
18. Write a C program to find LCM of two numbers using recursion.
19. Write a C Program to Copy One String to Another using recursion
20. Write a C Program to perform Merge Sort using recursion.