Practice Programs on Functions

Write a program using functions to:

1. Print even and odd numbers in a given range
2. Find power of a number
3. Return maximum of given two numbers
4. To print all strong numbers between given interval using functions.

Strong number is a special number whose sum of the factorial of digits is equal to the original number. For Example: 145 is strong number.

5. Check whether a number is prime, Armstrong or perfect number using functions.

Recursion

1. Print sum of n numbers using Recursion
2. Print GCD of two numbers using recursion
3. Print factorial of a number using recursion
4. Print Fibonacci series using recursion upto n numbers
5. Find LCM of two numbers using recursion.
6. Find power of any number using recursion
7. Find product of two numbers using recursion

Call by reference:

1. Write a function to swap two numbers using the concept of call by reference.
2. Find the sum of digits of a number. Number must be passed to a function using pointers.