List of function and recursion programming exercises

1. Write a C program to find cube of any number using function.
2. Write a C program to find diameter, circumference and area of circle using functions.
3. Write a C program to find maximum and minimum between two numbers using functions.
4. Write a C program to check whether a number is even or odd using functions.
5. Write a C program to check whether a number is prime, Armstrong or perfect number using functions.
6. Write a C program to find all prime numbers between given interval using functions.
7. Write a C program to print all strong numbers between given interval using functions.
8. Write a C program to print all Armstrong numbers between given interval using functions.
9. Write a C program to print all perfect numbers between given interval using functions.
10. Write a C program to find power of any number using recursion.
11. Write a C program to print all natural numbers between 1 to n using recursion.
12. Write a C program to print all even or odd numbers in given range using recursion.
13. Write a C program to find sum of all natural numbers between 1 to n using recursion.
14. Write a C program to find sum of all even or odd numbers in given range using recursion.
15. Write a C program to find reverse of any number using recursion.
16. Write a C program to check whether a number is palindrome or not using recursion.
17. Write a C program to find sum of digits of a given number using recursion.
18. Write a C program to find factorial of any number using recursion.
19. Write a C program to generate nth Fibonacci term using recursion.
20. Write a C program to find GCD (HCF) of two numbers using recursion.
21. Write a C program to find LCM of two numbers using recursion.
22. Write a C program to display all array elements using recursion.
23. Write a C program to find sum of elements of array using recursion.
24. Write a C program to find maximum and minimum elements in array using recursion.