Day-3 Assignments

1. Develop a C program which adds all numbers from 1 to N, except those which are divisible by 5. Implement this using for loop and continue statement.

2. Develop a C program to find factorial of a number N using for loop.

3. Develop a C program to find sum of all odd numbers upto N using while loop.

4. Write a Program to find if a given number is Armstrong number.
   Hint: (153 = 1^3 + 5^3 + 3^3)
5. Write a program to find whether given number is palindrome or not.

Functions

1. Write a swap function to perform the swap operation.
2. Write a program to find the GCD of two numbers.
   Take two integers as input, find the GCD and return it to main.
3. Write a program to print the prime Fibonacci numbers in a given range.
4. Take the range of numbers as input and print all the prime Fibonacci numbers as output. Use Functions. Try with non-recursive and recursive functions.

5. Write a program to reverse an integer number.

   Use recursion.

6. Write a recursive function to find factorial of a number.

7. Write a function to swap contents of two variables using functions