

Assignment Week-3

Assignment

1. Write a program in C to find the square of any number using the function.
2. Write a C program to print the factorial of a given number using functions.
3. Write a program in C to find GCD and LCM of two numbers using recursion.
4. Write a program in C to find the factorial of a number using recursion.
5. Write a program in C to check whether a given number is palindrome or not using recursion.

Function:

1. Write a program in C to swap two numbers using the function.
2. Write a program in C to find the sum of the series $1!/1+2!/2+3!/3+4!/4+5!/5$ using the function.
3. Write a program in C to check whether a number is a prime number or not using the function.
4. Write a C program to check whether a number is prime, armstrong, perfect number using functions.
5. Write a C program to find the cube of any number using functions.
6. Write a C program to print all strong numbers between a given interval using functions.
7. Write a program in C to get the largest element of an array using the function.

Recursion:

1. Write a program in C to print the first 50 natural numbers using recursion.
2. Write a program in C to calculate the sum of numbers from 1 to n using recursion.
3. Write a program in C to print the array elements and the largest of them using recursion.
4. Write a program in C to count the digits of a given number and find the sum of the digits using recursion.
5. Write a program in C to reverse a string using recursion.
6. Write a program in C to check if a number is a prime number or not using recursion.
7. Write a program in C to print even or odd numbers in a given range using recursion.
8. Write a program in C to calculate the power of any number using recursion.
9. Write a program in C to find the first capital letter in a string using recursion.
10. Write a program to generate Fibonacci series using recursive functions.