

### **Assignment-13: C,C++ and DSA in Depth with Job Assistance**

#### **More on Recursion**

1. Write a recursive function to calculate sum of first N natural numbers
2. Write a recursive function to calculate sum of first N odd natural numbers
3. Write a recursive function to calculate sum of first N even natural numbers
4. Write a recursive function to calculate sum of squares of first n natural numbers
5. Write a recursive function to calculate sum of digits of a given number
6. Write a recursive function to calculate factorial of a given number
7. Write a recursive function to calculate HCF of two numbers
8. Write a recursive function to print first N terms of Fibonacci series
9. Write a program in C to count the digits of a given number using recursion.
10. Write a program in C to calculate the power of any number using recursion.