

AAD1 (CSE2631) LAB EXPERIMENT

EXPERIMENT-02

1. Write the recursive code of the following problems
 - Sum of n numbers;
 - factorial of a number
 - Generating nth Fibonacci number
 - Linear search
 - Binary search
2. Write a program that takes an integer in decimal form as input and prints its hexadecimal representation. Implement the solution using a recursive approach.
3. **Tower of Hanoi:** We are given three rods and N number of disks, initially all the disks are added to the first rod (the leftmost one) in decreasing size order. The objective is to transfer the entire stack of disks from the first tower to the third tower (the rightmost one), moving only one disk at a time and never a large one onto a smaller one. WAP in recursive approach.

