# Assignment 6

1. Tower of Hanoi

#include <iostream>

using namespace std;

void towerOfHanoi(int n, char from\_rod, char to\_rod, char aux\_rod){

if (n == 0)

{

return;

}

towerOfHanoi(n - 1, from\_rod, aux\_rod, to\_rod);

cout << "Move disk " << n << " from rod " << from\_rod <<

" to rod " << to\_rod << endl;

towerOfHanoi(n - 1, aux\_rod, to\_rod, from\_rod);

}

int main(){

int n;

cout<<"Enter no. of disks:";

cin>>n;

towerOfHanoi(n, 'A', 'C', 'B'); // A, B and C are names of rods

return 0;

}