**tower-of-hanoi.c**

//write a program to implement the tower of hanoi algorithm.

#include <stdio.h>

void towerOfHanoi(int n, char A, char B, char C){

if(n==0){

return;

}

towerOfHanoi(n-1,A,C,B);

printf("Move disk %d fron Rod %c to %c\n",n,A,C);

towerOfHanoi(n-1,B,C,A);

}

void main(){

int n = 3;

//A where all the disks are present C where we have to move all disk and B for help disk.

towerOfHanoi(n,'A','C','B');

}

**OUTPUT**

PS S:\WorkSpace\CollegeWork\DataStructure\Temp> gcc .\tower-of-hanoi.c

PS S:\WorkSpace\CollegeWork\DataStructure\Temp> ./a

Move disk 1 fron Rod A to B

Move disk 2 fron Rod A to C

Move disk 1 fron Rod B to A

Move disk 3 fron Rod A to B

Move disk 1 fron Rod C to B

Move disk 2 fron Rod C to A

Move disk 1 fron Rod B to C

PS S:\WorkSpace\CollegeWork\DataStructure\Temp>