tower-of-hanoi.c

```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>