

```

/* move n smallest disks from start to finish using
extra */

void hanoi(int n, int start, int finish, int extra){
    if(n != 0){
        hanoi(n-1, start, extra, finish);
        print_string("Move disk");
        print_int(n);
        print_string("from peg");
        print_int(start);
        print_string("to peg");
        print_int(finish);
        print_string(".\n");
        hanoi(n-1, extra, finish, start);
    }
}

main(){
    int n;
    print_string("Enter number of disks>");
    n = read_int();
    hanoi(n, 1, 2, 3);
    return 0;
}

```