1. ****Python Program for Tower of Hanoi.****

**def hanoi(disks, source, auxiliary, target):**

**if disks == 1:**

**print('Move disk 1 from peg {} to peg {}.'.format(source, target))**

**return**

**hanoi(disks - 1, source, target, auxiliary)**

**print('Move disk {} from peg {} to peg {}.'.format(disks, source, target))**

**hanoi(disks - 1, auxiliary, source, target)**

**disks = int(input('Enter number of disks: '))**

**hanoi(disks, 'A', 'B', 'C')**

****OUTPUT****





