Practical 7: Tower Of Hanoi

Q1) Demonstrate Tower of Hanoi Problem.

Ans:

p7\_tower\_of\_hanoi.py

"""

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Practical: 7

Objective: Demonstrate Tower of Hanoi Problem.

"""

def TowerOfHanoi(n, from\_rod, to\_rod, aux\_rod): # f:A t:C x:B

if n == 1:

print ("Move disk 1 from rod",from\_rod,"to rod",to\_rod)

return

TowerOfHanoi(n-1, from\_rod, aux\_rod, to\_rod)

print ("Move disk",n,"from rod",from\_rod,"to rod",to\_rod)

TowerOfHanoi(n-1, aux\_rod, to\_rod, from\_rod)

# Driver code

n = 4 # n is number of disks

# A B C are rods

print(f"Jagrut Tower of Hanoi")

TowerOfHanoi(n, 'A', 'C', 'B')

