def monkey\_banana():

# Initial state

monkey = "A" # Monkey at position A

box = "B" # Box at position B

bananas = "C" # Bananas at position C

on\_box = False

has\_bananas = False

steps = []

# Step 1: Move to box (B)

steps.append(f"Move to B")

monkey = "B"

# Step 2: Push box to bananas (C)

steps.append(f"Push box to C")

monkey = "C"

box = "C"

# Step 3: Climb box

steps.append(f"Climb box")

on\_box = True

# Step 4: Grab bananas

if monkey == bananas and on\_box:

steps.append(f"Grab bananas")

has\_bananas = True

# Print steps

for i, step in enumerate(steps, 1):

print(f"Step {i}: {step}")

# Check if solved

if has\_bananas:

print("Monkey got the bananas!")

else:

print("Failed to get bananas.")

# Run the solution

monkey\_banana()