def simple\_hill\_climbing(numbers):

current\_index = 0

while True:

if current\_index + 1 < len(numbers):

# Compare with the next numbers

if numbers[current\_index] > numbers[current\_index + 1]:

current\_index += 1

else:

# Current number is greater than the next

return numbers[current\_index]

else:

# End of the list

return numbers[current\_index]

# Example list of numbers

numbers = [9,7,10,3]

min\_number = simple\_hill\_climbing(numbers)

print(f"The minimum number in the list is:{min\_number}")

output

C:\Users\comp\ashwin\venv\Scripts\python.exe "C:/Users/comp/AI\_Project\_221/Hill Climb Min.py"

The minimum number in the list is:7

Process finished with exit code 0