def partition(array, low, high):

pivot = array[high]

i = low - 1

for j in range(low, high):

if array[j] > pivot:

i += 1

array[i], array[j] = array[j], array[i]

array[i + 1], array[high] = array[high], array[i + 1]

return (i + 1)

def quick\_sort(array, low=0, high=None):

if high is None:

high = len(array) - 1

if low < high:

pivot\_index = partition(array, low, high)

quick\_sort(array, low, pivot\_index - 1)

quick\_sort(array, pivot\_index + 1, high)

def top\_five(array):

print("Top five:", array[-5:])

marks = []

n = int(input("Enter the number of marks: "))

for i in range(n):

v = int(input("Enter marks: "))

marks.append(v)

print("b4 sorting Marks:", marks)

quick\_sort(marks)

print("after Sorted array:", marks)

top\_five(marks)