

Lab Evaluation Task on Recursion

11:00 am

Write a Recursive function that takes a list of integers as input. Then calculate the summation of the first half elements as left sum, and then calculate the second half elements as right sum. Then compare both of the sum with the middle element of the list. If left summation is greater than the middle index then your program should print “Left sum is greater”, otherwise print “Right sum is greater”.

[You can not use any loops]

Input	Output
[2,1,3,5,2,1,1]	Left sum is greater. Explanation: Left sum: $2+1+3 = 6$ Right sum: $2+1+1 = 4$ Middle index = 5 Left sum > Middle index. Hence, Left sum is greater.
[4,1,6,3,7]	Right sum is greater.