CSE220: Data Structures (Lab)
Fall 2024
Lab Quiz - 01
Duration: 30 Minutes

A

Name:	ID:	Section:

Question 1 [15 Points]

Write a method to calculate the sum of all the sorted columns in ascending order in a given 2D matrix. **[You are not allowed to use any built-in functions like sort() or sorted()]**

Sample Input:	Sample Output:	Explanation:
4 -1 1 -2 6 5 2 0 9 4 3 2 10 6 4 3 12 7 5 6	Sum = 65	Sum = (4+6+9+10+12) + (1+2+3+4+5) + (-2+0+2+3+6) = (41 + 15 + 9) = 65 Here, the sorted columns in ascending order are the 0, 1 and 2 numbered columns. Therefore, the sum of the elements of these three columns is printed as the output.