**ANKARA UNIVERSITY**

**COM1002 Summer 2022**

**LAB 1**

**22/07/2022 13:30**

**Submission Deadline: 22/07/2022 16:30**

**1.** Write a C program that sums a sequence of integers. Assume that the first integer read with scanf, specifies the number of values to be entered. Your program should read only one value each time scanf is executed. A typical input sequence might be

5 100 200 300 400 500

where 5 indicates that the subsequent five values are to be summed.

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| **Sample Input 1:** | **Sample Output 1:** |
| 5 100 200 300 400 500 | 1500 |

|  |  |
| --- | --- |
| **Sample Input 2:** | **Sample Output 2:** |
| 7 60 -5 0 48 200 -30 50 | 323 |

|  |  |
| --- | --- |
| **Sample Input 3:** | **Sample Output 3:** |
| 3 -34 -45 52 | -27 |

**Submission:** Name your source file as <StudentID>.c. For example, if your ID is 112603, then you will submit 112603.c file. ( [aucomp.com1002@gmail.com](mailto:aucomp.com1002@gmail.com) )

**2.** Write a recursive **findSum** function which returns the sum of all integers between (and including) two integers given as parametrs. Write a C program that tests function **findSum**. (Your function must be **recursive**.)

(Examples: findSum(13, 47) returns 1050, findSum(-2, 89) returns 4002)

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| **Sample Input 1:** | **Sample Output 1:** |
| 13 47 | 1050 |

|  |  |
| --- | --- |
| **Sample Input 2:** | **Sample Output 2:** |
| -2 89 | 4002 |

|  |  |
| --- | --- |
| **Sample Input 3:** | **Sample Output 3:** |
| -35 -21 | -420 |

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