

**NATIONAL INSTITUTE OF TECHNOLOGY CALICUT DEPARTMENT
OF COMPUTER SCIENCE AND ENGINEERING**

CS2093 HARDWARE LABORATORY

MAJOR EVALUATION 1 (24 FEBRUARY 2022)

QUES 2: Write a NASM program to read three positive (>0) numbers a , b & c as input and check whether they satisfy the triangle inequality. If yes, print “Triangle Inequality satisfied”. Else print “Triangle Inequality not satisfied”, followed by 0.

*Three numbers a , b & c satisfy the triangle inequality if
 $(a+b)>c$ AND $(b+c)>a$ AND $(c+a)>b$.*

If yes, compute whether they constitute a right angle triangle or not. Print “1” if condition is satisfied. Else print “0”.

Example:

Input: 4 3 5

Output:

Triangle Inequality satisfied.

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