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Description

Triangle Valid or Not

Program Description

Write a Program that takes input as sides of a triangle and check whether the triangle is valid or not.

Hint:

A triangle is valid, if the sum of its two sides is greater than the third side. If three sides are a, b and c, then three conditions should be met.

1. a + b > c
2. a + c > b
3. b + c > a

Input Format

A single line contains three sides of a triangle a,b,c.

Output Format

Print the output according to the description.

Constraints

0<=a,b,c<=1000

Input-1

2 3 7

Output-1

Invalid triangle

Input-2

2 3 4

Output-2

C - GCC 11.1.0 ▾   Timer   0:06 sec

```c
#include<stdio.h>
int main()
{
    int a,b,c;
    scanf("%d %d %d",&a,&b,&c);
    if(a+b>c&&b+c>a&&c+a>b) printf("Valid triangle");
    else printf("Invalid triangle");
    return 0;
}
```

</> Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	2 3 4	2 3 4	Valid triangle	Valid triangle	1408 KB	3.430 ms	Pass
2	7 8 9	7 8 9	Valid triangle	Valid triangle	1408 KB	2.516 ms	Pass

All hidden testcases passed

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