**Problem #1**

**Triangle or Not**

Your input is 3 integers. Assuming these as lengths of 3 lines, you have to answer – can these 3 lines form a triangle? (Recall that, sum of length of any 2 arms of a triangle must be greater than the length of the remaining arm).

If indeed a triangle can be drawn, you have to further tell – would it be any of the following?

* Equilateral triangle
* Bilateral triangle
* Right angle triangle

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| --- | --- |
| **Sample Input(s)** | **Corresponding Output(s)** |
| 6 6 6  4 4 6  3 4 5  3 4 6  4 4 10 | Equilateral triangle  Bilateral triangle  Right angle triangle  Triangle  Not a triangle |

**Problem #2**

**Accounting**

In this problem, you are given the price of some commodity. For first 100 units, the rate is 0.5 Taka / unit. For the next 100 units, it is 0.8 taka / unit. Then onward, the price is 1.2 taka/unit. Your input is an integer representing the number of units bought by the customer. You must output a floating point number representing the total price. You must solve this problem using switch statement(s). If-else or ternary operator and logical connectors are not allowed in this problem.

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| **Sample Input(s)** | **Corresponding Output(s)** |
| 100  200  300 | 50  130  250 |