

Triangle calculator

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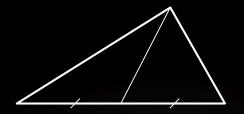
Created in



Targets

- Creating GUI triangle calculator in Python using Tkinter.
- Consolidate the skills acquired in Inginirium.
- Learn to write large projects in Python.
- Learn to combine two or more Python files.
- Learn to write code comments.

Functions



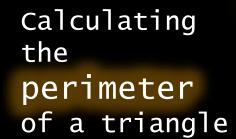
Calculating median lengths



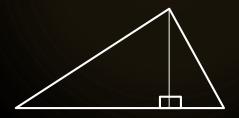




Calculating bisector lengths

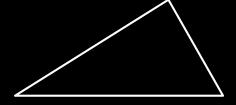






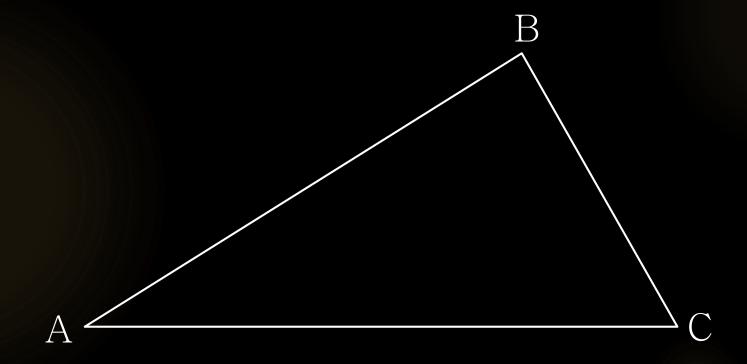
Calculating heights lengths

Create a triangle plot

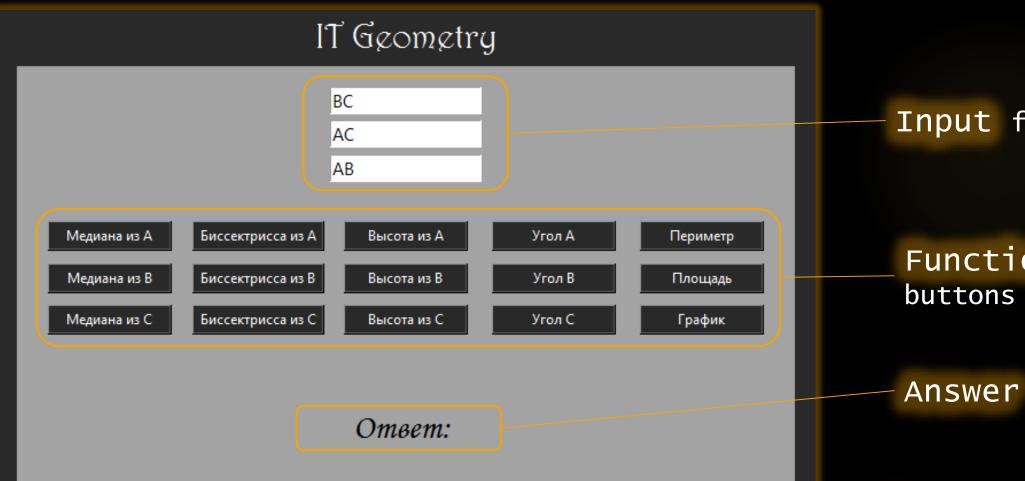


Inputs

The program takes 3 natural numbers as input: BC, AC, AB.



Interface



Input fields

Function

Answer field

Tests

Test input lines:

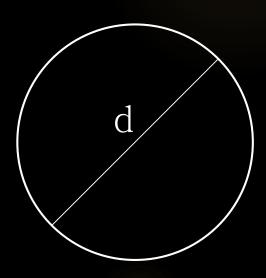
Testing the Triangle Inequality:

```
def test (a, b, c):
local = (a + b) > c and (a + c) > b and (b + c) > a
if not local:
mb.showerror("Неверный ввод", "Треугольник не существует")
sys.exit()
```

Development potential

In the future, the program may be adding calculations in a rectangle and a circle.





Answers on questions