• Personal info:

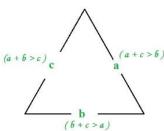
O Name: Injy Islam ElSherbini

Department: Computer Science

Section: 3

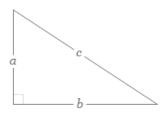
• Rules:

 A triangle is valid if and only if the sum of each two sides is greater than the third side, i.e.:

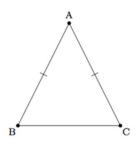


 According to the Pythagorean theorem, a triangle is orthogonal if and only if:

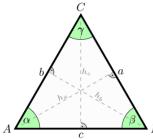
•
$$a^2 + b^2 = c^2$$



 A triangle is said to be isosceles triangle if and only if it has two sides of equal length, i.e.:



A triangle is said to be equilateral triangle if and only if all of its three sides are of equal length, i.e.:



• Code:

o Where:

- t denotes valid triangle
- ot denotes orthogonal triangle
- it denotes isosceles triangle
- et denotes equilateral triangle
- Github repository
- o Screenshots:

