

# Assignment 1

Download all python codes from

<https://github.com/behappy0604/Assignment1>

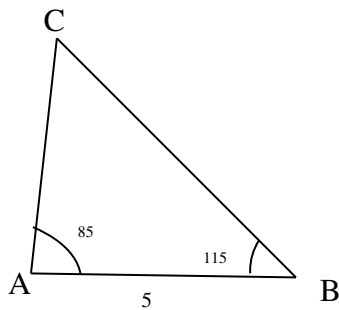
and latex-tikz codes from

<https://github.com/behappy0604/Assignment1>

## 1 CONSTR-2.27 PART1

Construct a triangle:  $\angle A = 85^\circ$ ,  $\angle B = 115^\circ$  and  $AB = 5$ .

## 2 EXAPLANATION



The above mentioned triangle cannot be formed.  
As if we do addition of both angles  $\angle A$  and  $\angle B$

$$85^\circ + 115^\circ = 200^\circ$$

But according to the theorem sum of all angles of triangle  $= 180^\circ$  so here,  $200^\circ > 180^\circ$  Hence triangle cannot be formed.

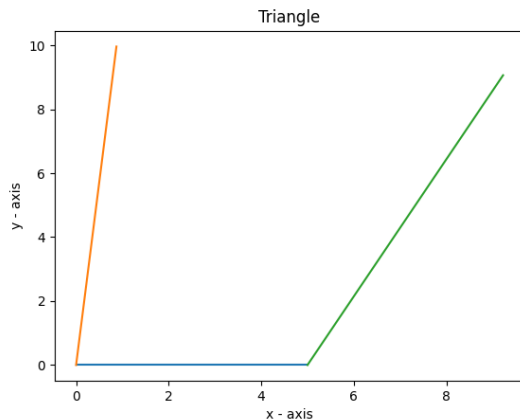


Fig. 0: Constructed a triangle using python