

## 3024. Type of Triangle

Solved ©



You are given a **0-indexed** integer array nums of size 3 which can form the sides of a triangle.

- A triangle is called **equilateral** if it has all sides of equal length.
- A triangle is called **isosceles** if it has exactly two sides of equal length.
- A triangle is called **scalene** if all its sides are of different lengths.

Return a string representing the type of triangle that can be formed or "none" if it cannot form a triangle.

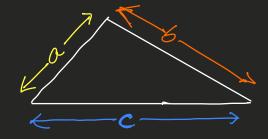
## Example 1:

Input: nums = [3,3,3]
Output: "equilateral"

Explanation: Since all the sides are of equal length, therefore, it will form

an equilateral triangle.

## Question:



- i) Given, 3 sides of the triangle (a, b, c)
- if at all it forms a triangle.



## Approach:

I would say this is pretty straight forward and Basic math.

The Question is more about recalling the elementary Maths.

Factó about a triangle A

- 1) Sum of any two sides always > 391d side
- 2) Equilatoral (XII sides equal.
- 3) Isosceles Exactly two sides equal
- 4) Scalene All sides are of different length

Coding: Couple of if-checks does the Job.

Conly catch is that you need to check if the friendle is valid before checking for type of D'Le.