

Algorithm Description

In plain English, point-form, think through the steps necessary to solve the given problem.

Make use of key words like *compare*, *iterate*, *store*.

In code, of course, these translate to conditional statements, loops, and using variables.

Algorithm

- iterate until a valid integer greater than zero is provided
 - ask the user for the first angle measure
- iterate until a valid integer greater than zero is provided
 - ask the user for the second angle measure
- iterate until a valid integer greater than zero is provided
 - ask the user for the third angle measure
- store the sum of the angles given in a variable
- compare the variable to 180
 - compare each angle measure to the other
 - when all three are equal, print "equilateral"
 - compare each pair of angle measures to each other (1 to 2, 2 to 3, and 1 to 3)
 - when any of those pairs are equal, print "isosceles"
 - otherwise
 - print "scalene"
- otherwise
 - print "error"