CHALLENGE-2

# Challenge2.py

#

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side\_a = int(input("Enter the length of the first side\n\n"))

side\_b = int(input("Enter the width of the second side\n\n"))

side\_c = int(input("Enter the height of the third side\n\n"))

if side\_a == side\_b == side\_c:

    print("The triangle is equilateral")

if side\_a == side\_b and side\_a != side\_c \

        or side\_a == side\_c and side\_a != side\_b \

        or side\_b == side\_c and side\_b!= side\_a:

    print("The triangle is isoceles")

if side\_a != side\_b != side\_c :

    print("The triangle is scalar")

# Testing

'''

print("My assertions are:"

      "\nside\_a = 6, side\_b = 6, side\_c = 6, output = equilateral"

      "\nside\_a = 6, side\_b = 5, side\_c = 5, output = isoceles"

      "\nside\_a = 5, side\_b = 6, side\_c = 5, output = isoceles"

      "\nside\_a = 5, side\_b = 5, side\_c = 6, output = isoceles"

      "\nside\_a = 6, side\_b = 5, side\_c = 4, output = scalar")

'''