

# This code was written by @Anurag\_Kanade on 7 march 2023

""Day 6 coding Statement: Write a program to find the Quadrants in which coordinates lie

Get the value of x and y coordinates as input from the user and check in which quadrant the point lies and print it."""

# logic behind problem:

# if x is positive and y is positive -> first quadrant.

# if x is negative and y is positive -> second quadrant.

# if x is negative and y is negative -> third quadrant.

# if x is positive and y is negative -> fourth quadrant.

# else the point is at origin lies on x or y.

x = int(input('Enter the value of x: '))

y = int(input('Enter the value of y: '))

if x > 0 and y > 0:

    print('The point lies in First quadrant')

elif x < 0 and y > 0:

    print('The point lies in Second quadrant')

elif x < 0 and y < 0:

    print('The point lies in Third quadrant')

elif x > 0 and y < 0:

    print('The point lies in Fourth quadrant')

else:

    print('Origin')