x = float(input("Enter x-coordinate: "))

y = float(input("Enter y-coordinate: "))

if x > 0 and y > 0:

print("Point is in Quadrant I")

elif x < 0 and y > 0:

print("Point is in Quadrant II")

elif x < 0 and y < 0:

print("Point is in Quadrant III")

elif x > 0 and y < 0:

print("Point is in Quadrant IV")

elif x == 0 and y != 0:

print("Point is on the Y-axis")

elif y == 0 and x != 0:

print("Point is on the X-axis")

else:

print("Point is at the origin")