**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.

Input

10 20

Output

This point lies in first quadrant.

Input

-10 20

Output

This point lies in second quadrant.

import java.util.Scanner;

public class RatanPrajapati\_day6 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int x = sc.nextInt();

        int y = sc.nextInt();

        if (x >= 0 && y >= 0) {

            System.out.println("This point lies in first quadrant.");

        } else if (x < 0 && y >= 0) {

            System.out.println("This point lies in second quadrant.");

        } else if (x < 0 && y < 0) {

            System.out.println("This point lies in third quadrant.");

        } else {

            System.out.println("This point lies in fourth quadrant.");

        }

    }

}