

**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.");
        }
    }
}
```