

**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 Program {
```

```
    public static void main(String[] args) {  
        Scanner sc=new Scanner(System.in);  
        int num1=sc.nextInt();  
        int num2=sc.nextInt();  
        if(num1>0) {  
            System.out.println("This point lies in first quadrant.");  
        }  
        else if(num1<0 && num2>0) {  
            System.out.println("This point lies in first quadrant.");  
        }  
        else if(num1<0 && num2<0) {  
            System.out.println("This point lies in third quadrant.");  
        }  
        else {  
            System.out.println("This point lies in fourth quadrant.");  
        }  
    }  
}
```