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