

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.

```
package com.talentbattle.codingchallenge;

import java.util.Scanner;

public class quadrant {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter the Point A : ");
        int A = scan.nextInt();

        System.out.println("Enter the Point B : ");
        int B = scan.nextInt();

        if(A > 0 && B > 0) {
            System.out.println("This point lies in First Qudrant ");
        }
        else if(A > 0 && B < 0) {
            System.out.println("This point lies in Second Qudrant");
        }
        else if(A < 0 && B < 0) {
            System.out.println("This point lies in Third Qudrant ");
        }
        else if(A < 0 && B > 0) {
            System.out.println("This point lies in Fourth Qudrant");
        }
        else {
            System.out.println("This point lies in Orign");
        }
    }
}
```

