

## 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.

### Program:

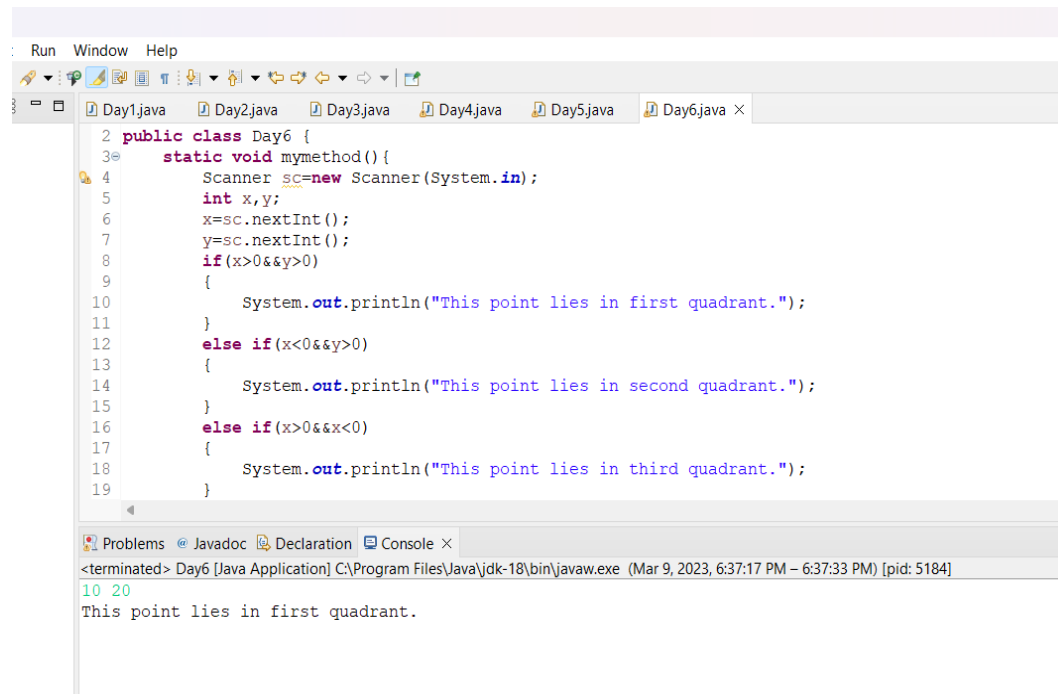
```
import java.util.*;
public class Day6 {
    static void mymethod() {
        Scanner sc=new Scanner(System.in);
        int x,y;
        x=sc.nextInt();
        y=sc.nextInt();
        if(x>0&&y>0)
        {
            System.out.println("This point lies in first quadrant.");
        }
        else if(x<0&&y>0)
        {
            System.out.println("This point lies in second quadrant.");
        }
        else if(x>0&&x<0)
        {
            System.out.println("This point lies in third quadrant.");
        }
        else
        {
            System.out.println("This point lies in fourth quadrant.");
        }
    }

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        mymethod();

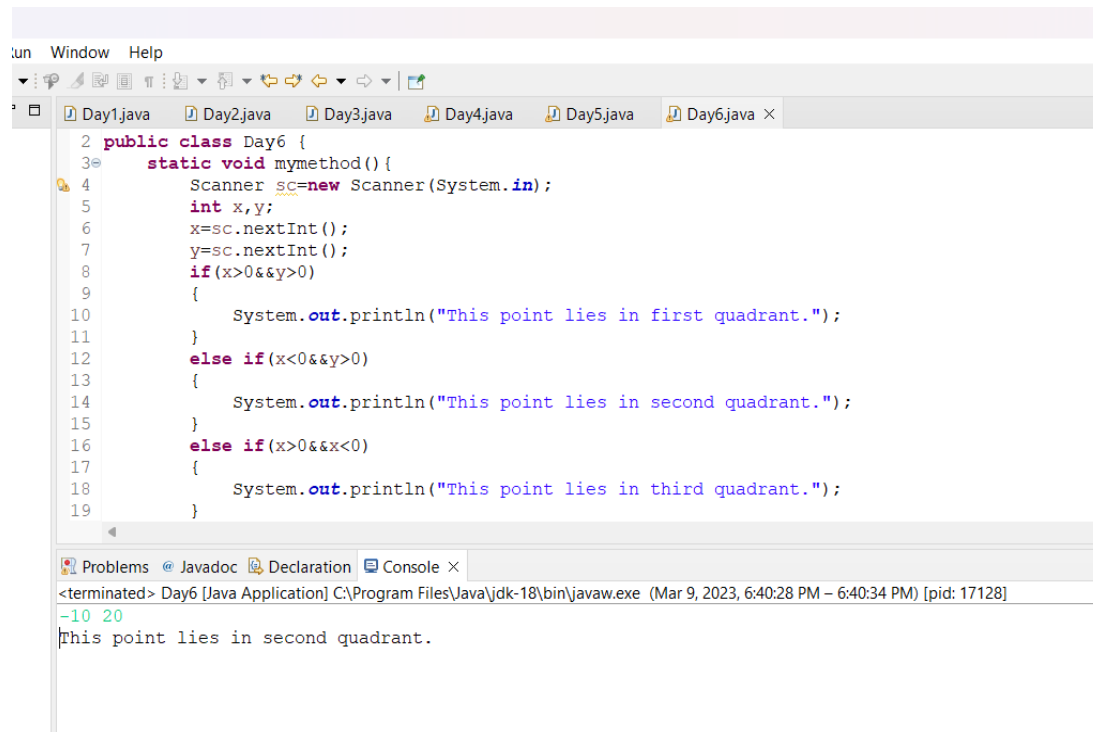
    }
```

## Output:



```
Run Window Help
Day1.java Day2.java Day3.java Day4.java Day5.java Day6.java x
2 public class Day6 {
3     static void mymethod() {
4         Scanner sc=new Scanner(System.in);
5         int x,y;
6         x=sc.nextInt();
7         y=sc.nextInt();
8         if(x>0&&y>0)
9         {
10            System.out.println("This point lies in first quadrant.");
11        }
12        else if(x<0&&y>0)
13        {
14            System.out.println("This point lies in second quadrant.");
15        }
16        else if(x>0&&x<0)
17        {
18            System.out.println("This point lies in third quadrant.");
19        }
20    }
21 }

Problems Javadoc Declaration Console x
<terminated> Day6 [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe (Mar 9, 2023, 6:37:17 PM – 6:37:33 PM) [pid: 5184]
10 20
This point lies in first quadrant.
```



```
Run Window Help
Day1.java Day2.java Day3.java Day4.java Day5.java Day6.java x
2 public class Day6 {
3     static void mymethod() {
4         Scanner sc=new Scanner(System.in);
5         int x,y;
6         x=sc.nextInt();
7         y=sc.nextInt();
8         if(x>0&&y>0)
9         {
10            System.out.println("This point lies in first quadrant.");
11        }
12        else if(x<0&&y>0)
13        {
14            System.out.println("This point lies in second quadrant.");
15        }
16        else if(x>0&&x<0)
17        {
18            System.out.println("This point lies in third quadrant.");
19        }
20    }
21 }

Problems Javadoc Declaration Console x
<terminated> Day6 [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe (Mar 9, 2023, 6:40:28 PM – 6:40:34 PM) [pid: 17128]
-10 20
This point lies in second quadrant.
```