

```
import java.util.*;
```

```
class Day6 {
```

```
    public static void main(String[] args) {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        double x = sc.nextDouble();
```

```
        double y = sc.nextDouble();
```

```
        if (x > 0 && y > 0) {
```

```
            System.out.println("This points lies in first quadrants.");
```

```
        } else if (x < 0 && y > 0) {
```

```
            System.out.println("This points lies in second quadrants.");
```

```
        } else if (x < 0 && y < 0) {
```

```
            System.out.println("This points lies in third quadrants.");
```

```
        } else if (x > 0 && y < 0) {
```

```
            System.out.println("This points lies in fourth quadrants.");
```

```
        } else if (x == 0 && y == 0) {
```

```
            System.out.println("This points lies at origin.");
```

```
        } else if (x == 0) {
```

```
            System.out.println("this points lies on the y-axis.");
```

```
        } else if (y == 0) {
```

```
            System.out.println("This points lies on the x-axis.");
```

```
        } else {
```

```
            System.out.println("This points do not fall into any quadrant.");
```

```
        }
```

```
    }
```

```
}
```