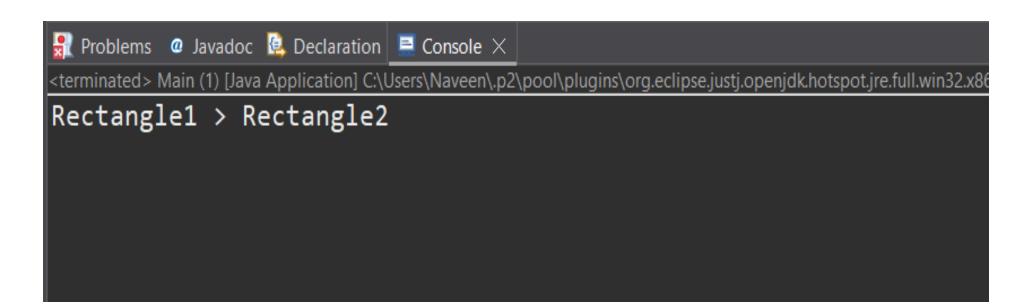
ASSIGNMENT:-1

```
🗾 Main.java 🔀
 1 package Naveen;
    class Rectangle {
        private int length;
 4
        private int width;
 5
        // Constructor
        public Rectangle(int length, int width) {
 80
            this.length = length;
            this.width = width;
10
11
        }
12
13
        // Method to calculate area
        public int calculateArea() {
140
            return length * width;
15
        }
16
17 }
18
   public class Main {
19
        public static void main(String[] args) {
200
            // Instantiate two rectangles with random values
21
            Rectangle rect1 = new Rectangle(10, 5); // Area = 50
22
            Rectangle rect2 = new Rectangle(8, 6); // Area = 48
23
24
25
            int area1 = rect1.calculateArea();
            int area2 = rect2.calculateArea();
26
27
28
            // Compare areas using relational operators
            if (area1 > area2) {
29⊜
                System.out.println("Rectangle1 > Rectangle2");
30
            } else if (area1 < area2) {</pre>
310
                System.out.println("Rectangle1 < Rectangle2");</pre>
32
33●
            } else {
                System.out.println("They are equal");
34
35
36
        }
37
38
```

Output:-



Input:-

```
class Rectangle {
 private int length;
 private int width;
  // Constructor
 public Rectangle(int length, int width) {
    this.length = length;
   this.width = width;
 }
  // Method to calculate area
 public int calculateArea() {
    return length * width;
 }
}
public class Main {
 public static void main(String[] args) {
   // Instantiate two rectangles with random values
    Rectangle rect1 = new Rectangle(10, 5); // Area = 50
    Rectangle rect2 = new Rectangle(8, 6); // Area = 48
    int area1 = rect1.calculateArea();
    int area2 = rect2.calculateArea();
    // Compare areas using relational operators
    if (area1 > area2) {
     System.out.println("Rectangle1 > Rectangle2");
    } else if (area1 < area2) {</pre>
     System.out.println("Rectangle1 < Rectangle2");</pre>
    } else {
     System.out.println("They are equal");
   }
}
```