

EXPLORER

JAVA DEVELOPMENT

- lib
- junit-platform-console-stand...
- LeftPascalTrianglePattern.class
- pattern.class
- StarPattern.class
- StarPattern.java


StarPattern.java X StarPattern.class

StarPattern.java > StarPattern

```
1 import java.util.Scanner;
2 public class StarPattern
3 {
4     public static void main(String args[])
5     {
6         int row, i, j, space = 1;
7         System.out.print(s:"Enter the number of rows you want to print: ");
8         Scanner sc = new Scanner(System.in);
9         row = sc.nextInt();
10        space = row - 1;
11        for (j = 1; j<= row; j++)
12        {
13            for (i = 1; i<= space; i++)
14            {
15                System.out.print(s:" ");
16            }
17            space--;
18            for (i = 1; i <= 2 * j - 1; i++)
19            {
20                System.out.print(s:"*");
21            }
22            System.out.println(x:"");
23        }
24        space = 1;
25        for (j = 1; j<= row - 1; j++)
26        {
27            for (i = 1; i<= space; i++)
28            {
29                System.out.print(s:" ");
30            }
31            space++;
```

- > OUTLINE
- > TIMELINE
- > JAVA PROJECTS

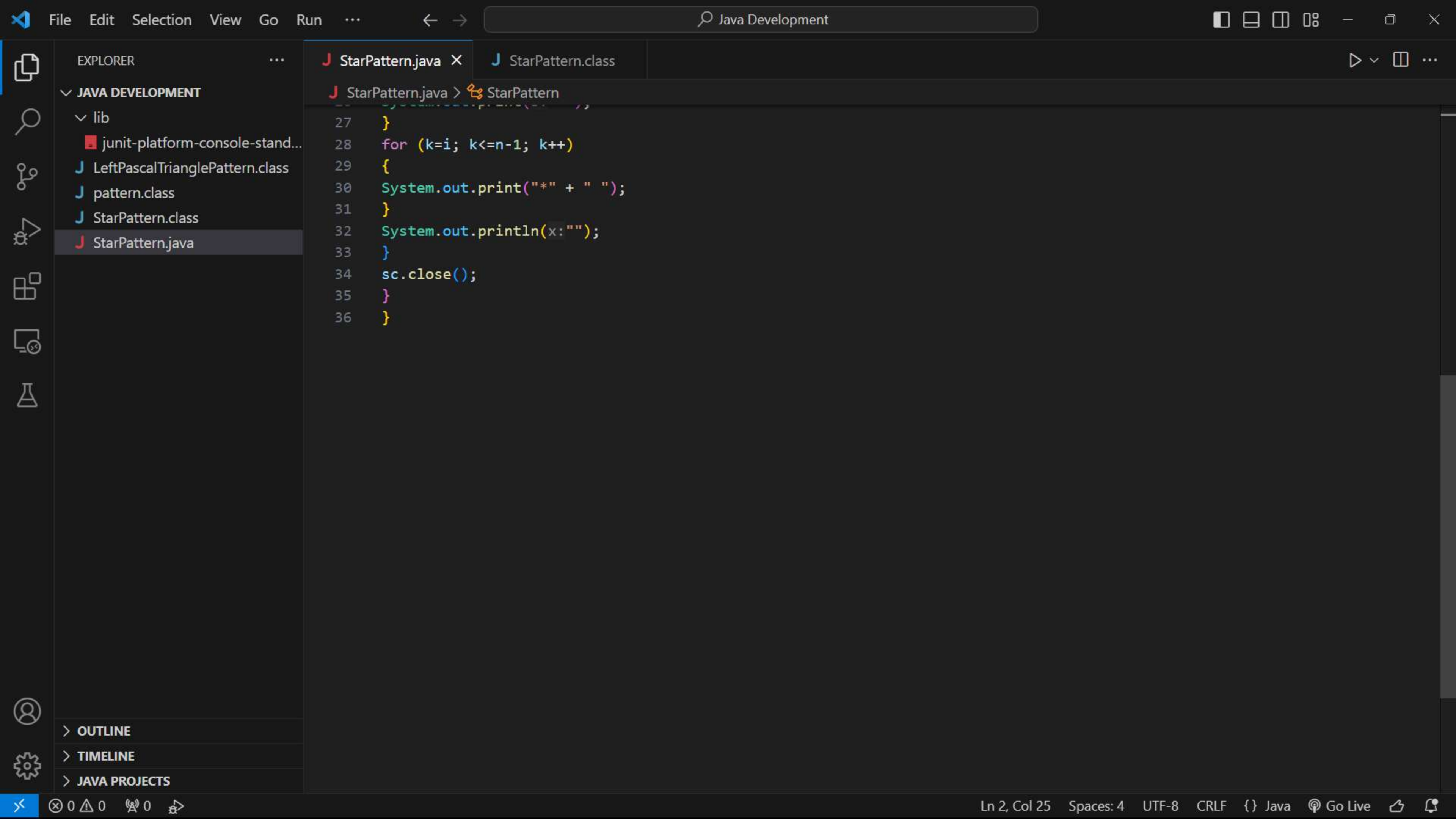
[illegible]

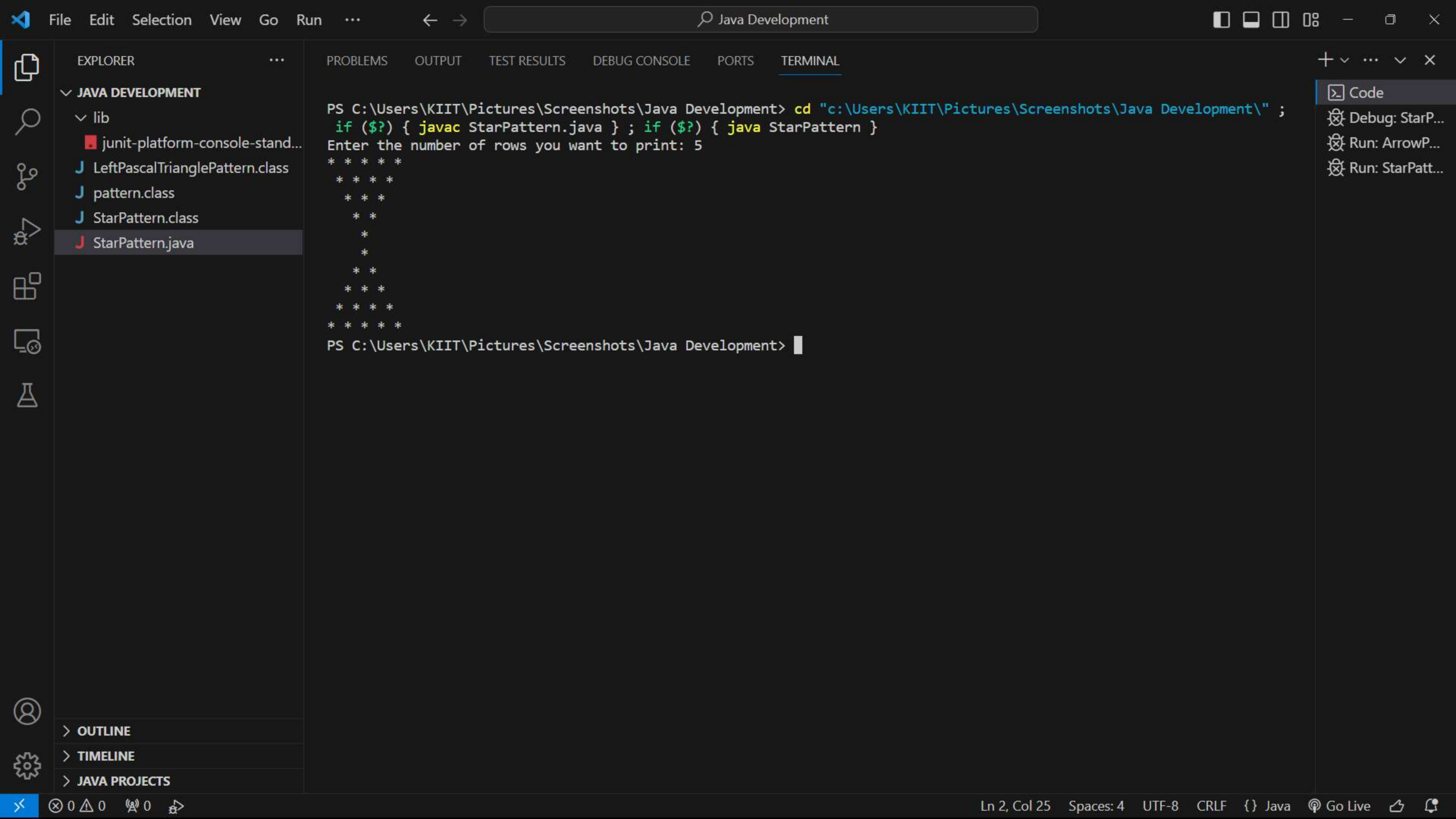


J StarPattern.java

```
31 }
```

> JAVA PROJECTS





EXPLORER

JAVA DEVELOPMENT

lib

junit-platform-console-stand...

LeftPascalTrianglePattern.class

pattern.class

StarPattern.class

StarPattern.java

PROBLEMS

OUTPUT

TEST RESULTS

DEBUG CONSOLE

PORTS

TERMINAL

PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ;

if (\$?) { javac StarPattern.java } ; if (\$?) { java StarPattern }

Enter the number of rows you want to print: 5

* * * * *

* * * *

* * *

* *

*

*

* *

* * *

* * * *

* * * * *

* * * * *

PS C:\Users\KIIT\Pictures\Screenshots\Java Development>

Code

Debug: StarP...

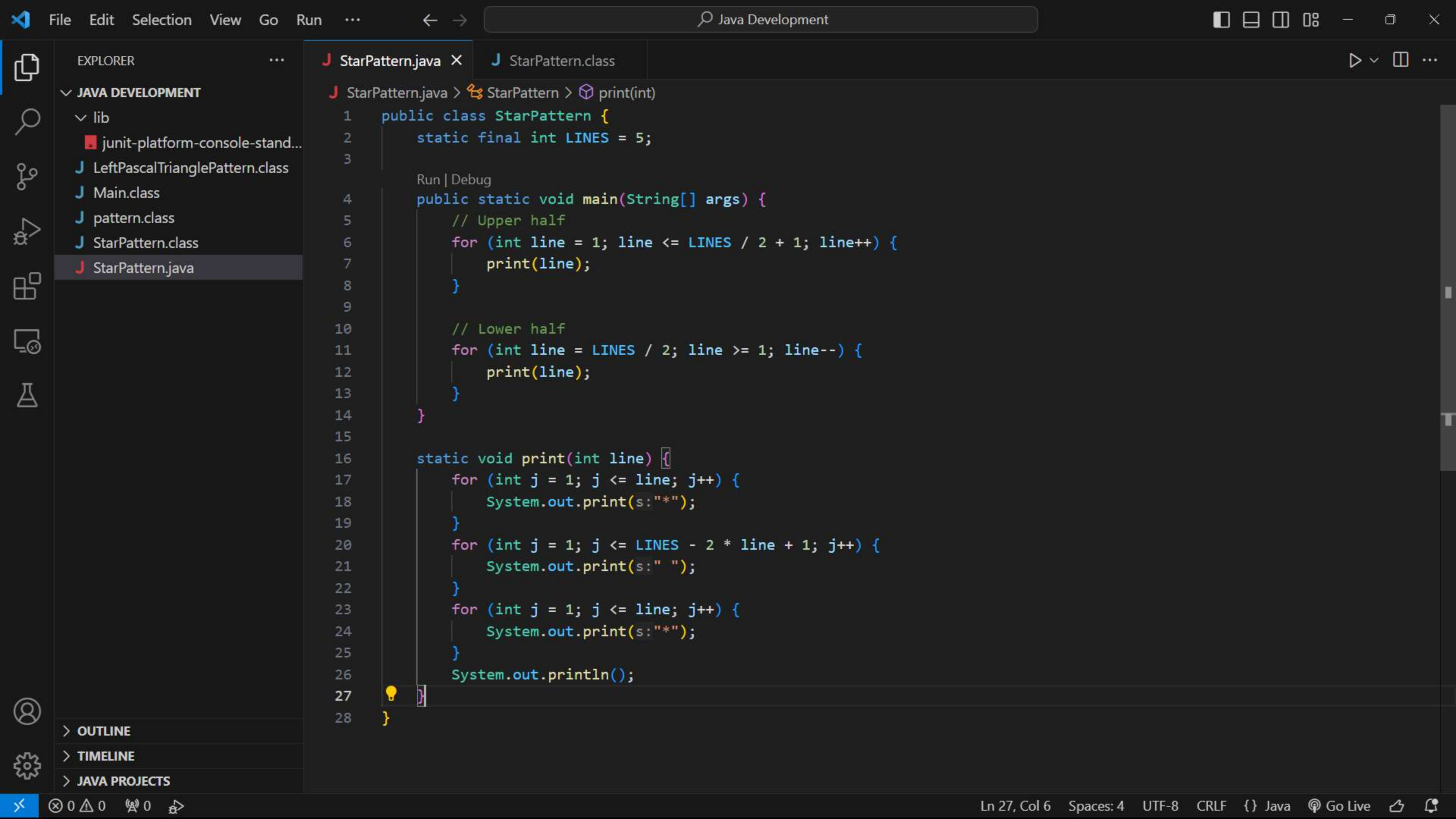
Run: ArrowP...

Run: StarPatt...

OUTLINE

TIMELINE

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EXPLORER

JAVA DEVELOPMENT

lib

junit-platform-console-stand...

LeftPascalTrianglePattern.class

Main.class

pattern.class

StarPattern.class

StarPattern.java

StarPattern.java X StarPattern.class

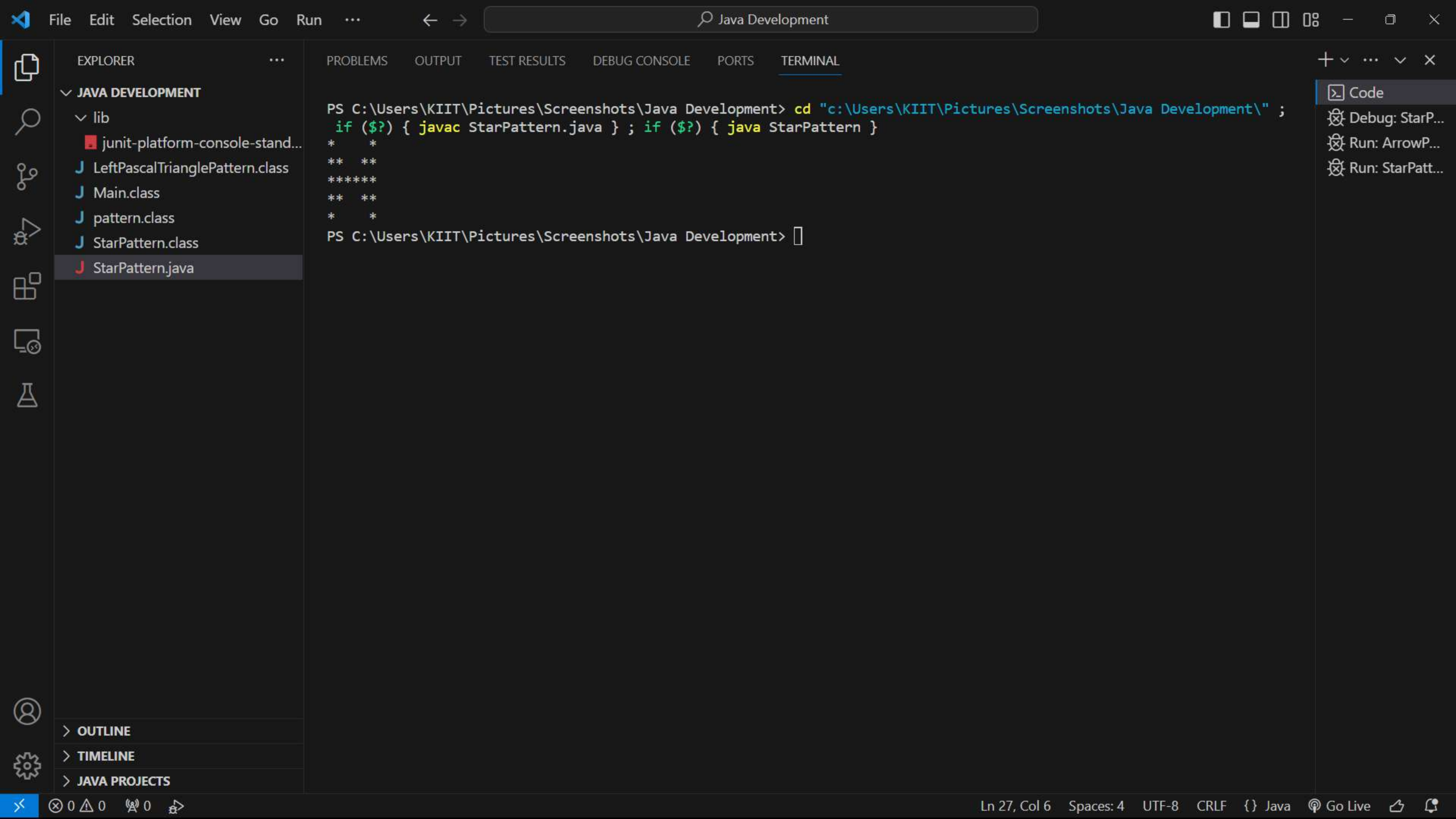
StarPattern.java > StarPattern > print(int)

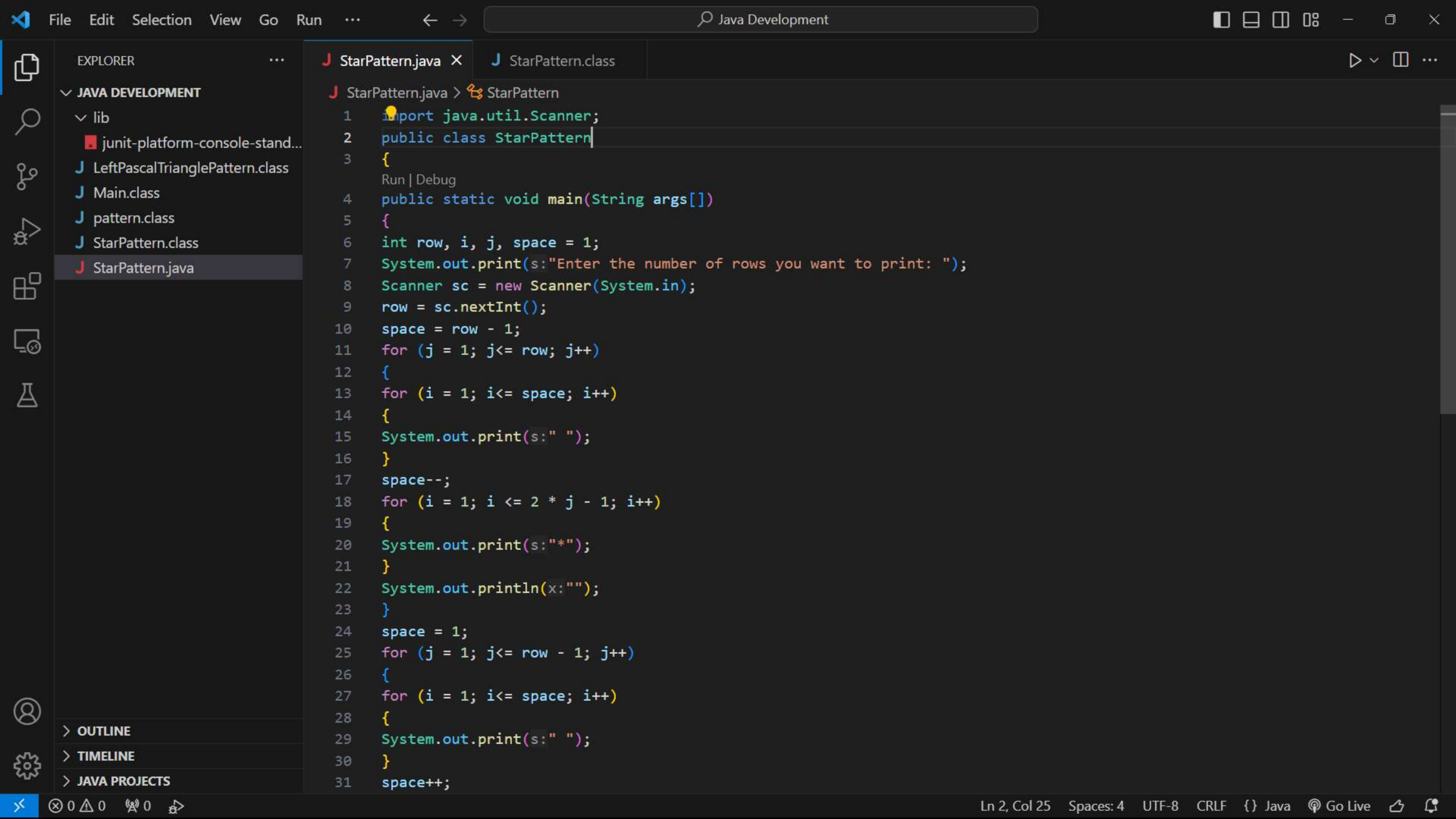
```
1 public class StarPattern {
2     static final int LINES = 5;
3
4     Run | Debug
5     public static void main(String[] args) {
6         // Upper half
7         for (int line = 1; line <= LINES / 2 + 1; line++) {
8             print(line);
9         }
10
11        // Lower half
12        for (int line = LINES / 2; line >= 1; line--) {
13            print(line);
14        }
15
16        static void print(int line) {
17            for (int j = 1; j <= line; j++) {
18                System.out.print(s: "*");
19            }
20            for (int j = 1; j <= LINES - 2 * line + 1; j++) {
21                System.out.print(s: " ");
22            }
23            for (int j = 1; j <= line; j++) {
24                System.out.print(s: "*");
25            }
26            System.out.println();
27        }
28    }
```

> OUTLINE

> TIMELINE

> JAVA PROJECTS





EXPLORER

JAVA DEVELOPMENT

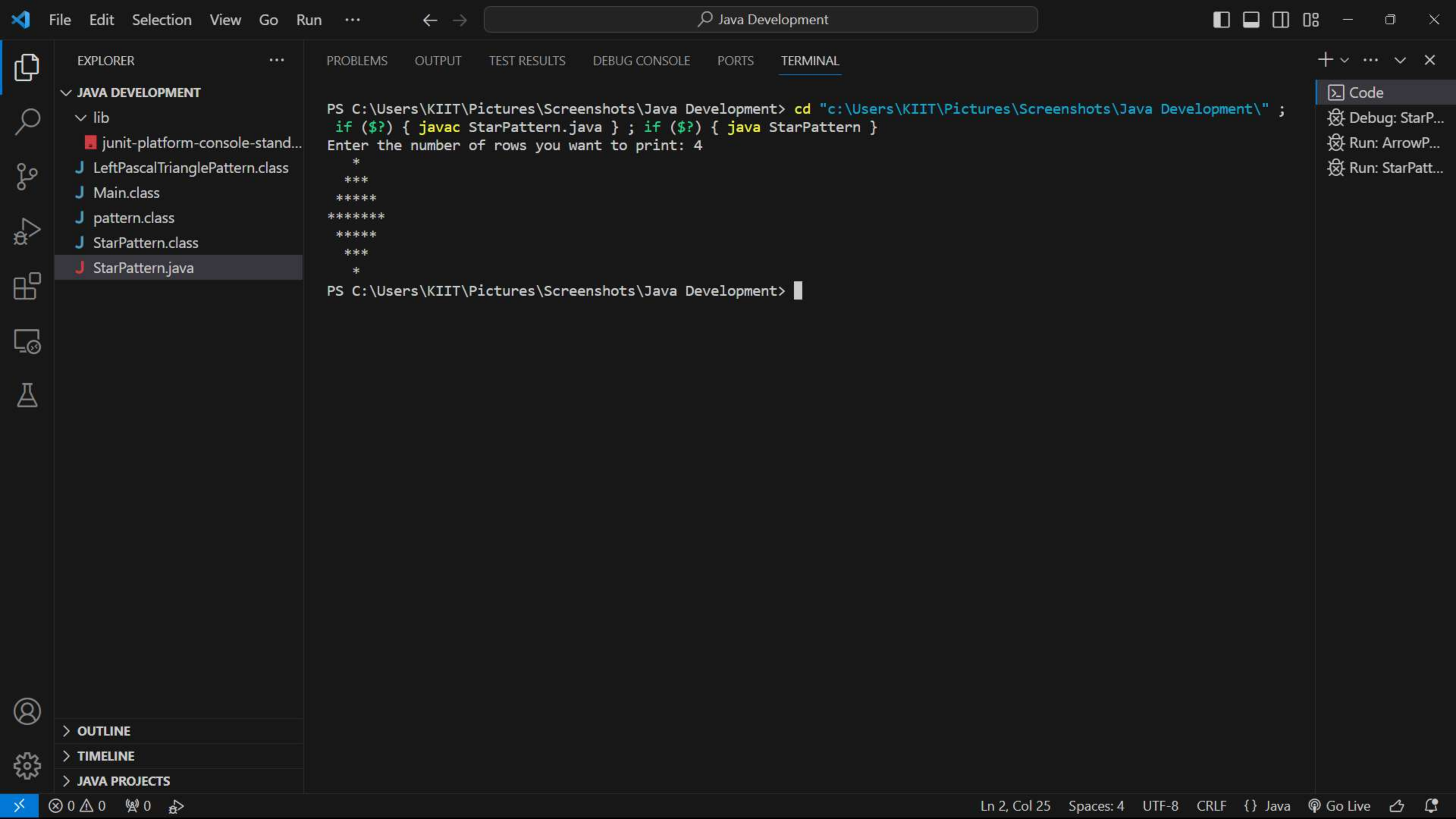
- lib
- junit-platform-console-stand...
- LeftPascalTrianglePattern.class
- Main.class
- pattern.class
- StarPattern.class
- StarPattern.java

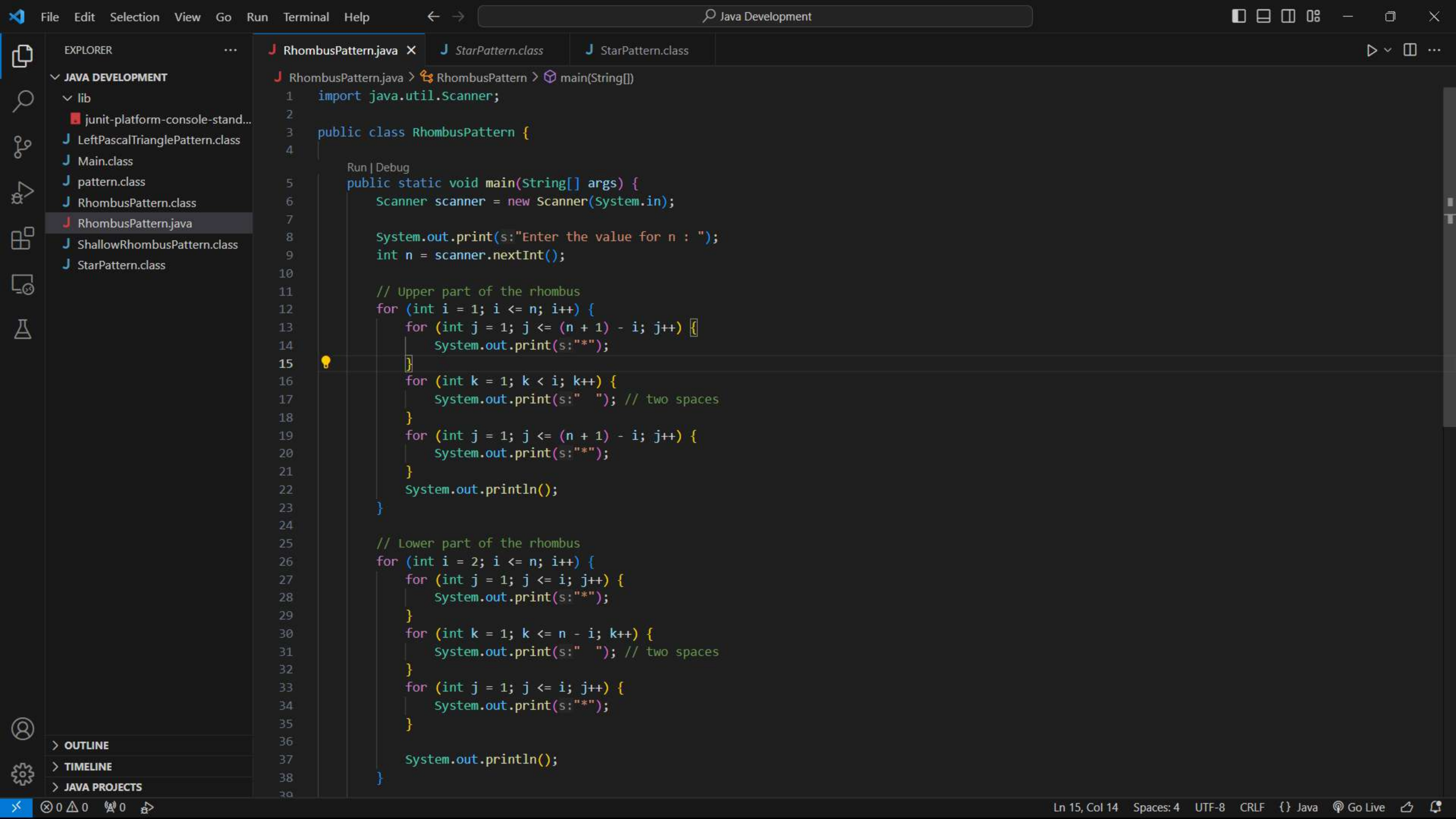
- OUTLINE
- TIMELINE
- JAVA PROJECTS

StarPattern.java X StarPattern.class

StarPattern.java > StarPattern

```
1 import java.util.Scanner;
2 public class StarPattern
3 {
4     public static void main(String args[])
5     {
6         int row, i, j, space = 1;
7         System.out.print(s:"Enter the number of rows you want to print: ");
8         Scanner sc = new Scanner(System.in);
9         row = sc.nextInt();
10        space = row - 1;
11        for (j = 1; j<= row; j++)
12        {
13            for (i = 1; i<= space; i++)
14            {
15                System.out.print(s:" ");
16            }
17            space--;
18            for (i = 1; i <= 2 * j - 1; i++)
19            {
20                System.out.print(s:"*");
21            }
22            System.out.println(x:"");
23        }
24        space = 1;
25        for (j = 1; j<= row - 1; j++)
26        {
27            for (i = 1; i<= space; i++)
28            {
29                System.out.print(s:" ");
30            }
31            space++;
```

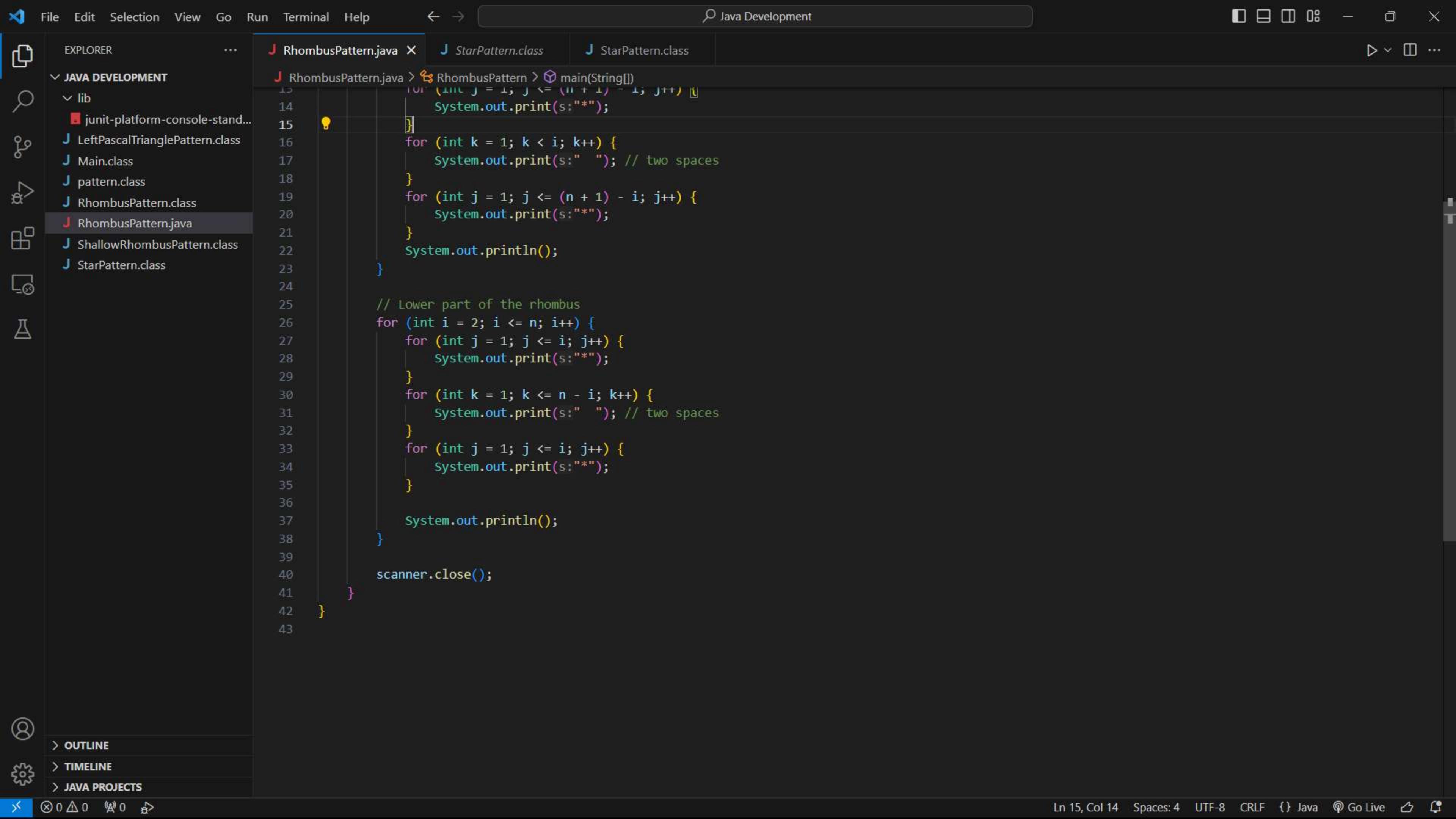




```
File Edit Selection View Go Run Terminal Help
Java Development

EXPLORER
  JAVA DEVELOPMENT
    lib
      junit-platform-console-stand...
      LeftPascalTrianglePattern.class
      Main.class
      pattern.class
      RhombusPattern.class
      RhombusPattern.java
      ShallowRhombusPattern.class
      StarPattern.class

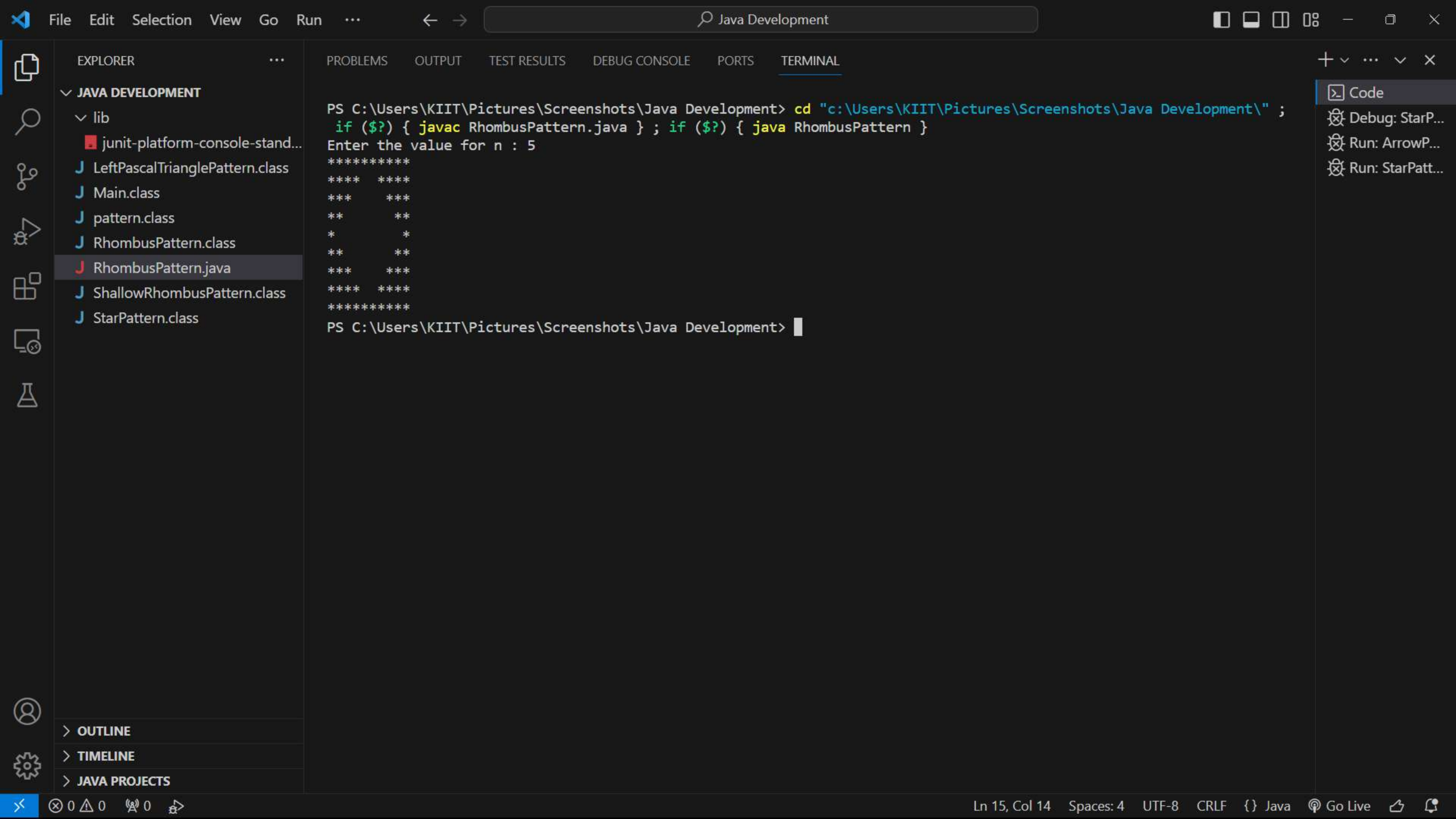
RhombusPattern.java
  RhombusPattern
    main(String[])
      1 import java.util.Scanner;
      2
      3 public class RhombusPattern {
      4
      5     Run | Debug
      6     public static void main(String[] args) {
      7         Scanner scanner = new Scanner(System.in);
      8
      9         System.out.print(s:"Enter the value for n : ");
      10        int n = scanner.nextInt();
      11
      12        // Upper part of the rhombus
      13        for (int i = 1; i <= n; i++) {
      14            for (int j = 1; j <= (n + 1) - i; j++) {
      15                System.out.print(s:"*");
      16            }
      17            for (int k = 1; k < i; k++) {
      18                System.out.print(s:" "); // two spaces
      19            }
      20            for (int j = 1; j <= (n + 1) - i; j++) {
      21                System.out.print(s:"*");
      22            }
      23            System.out.println();
      24        }
      25
      26        // Lower part of the rhombus
      27        for (int i = 2; i <= n; i++) {
      28            for (int j = 1; j <= i; j++) {
      29                System.out.print(s:"*");
      30            }
      31            for (int k = 1; k <= n - i; k++) {
      32                System.out.print(s:" "); // two spaces
      33            }
      34            for (int j = 1; j <= i; j++) {
      35                System.out.print(s:"*");
      36            }
      37            System.out.println();
      38        }
      39    }
}
```

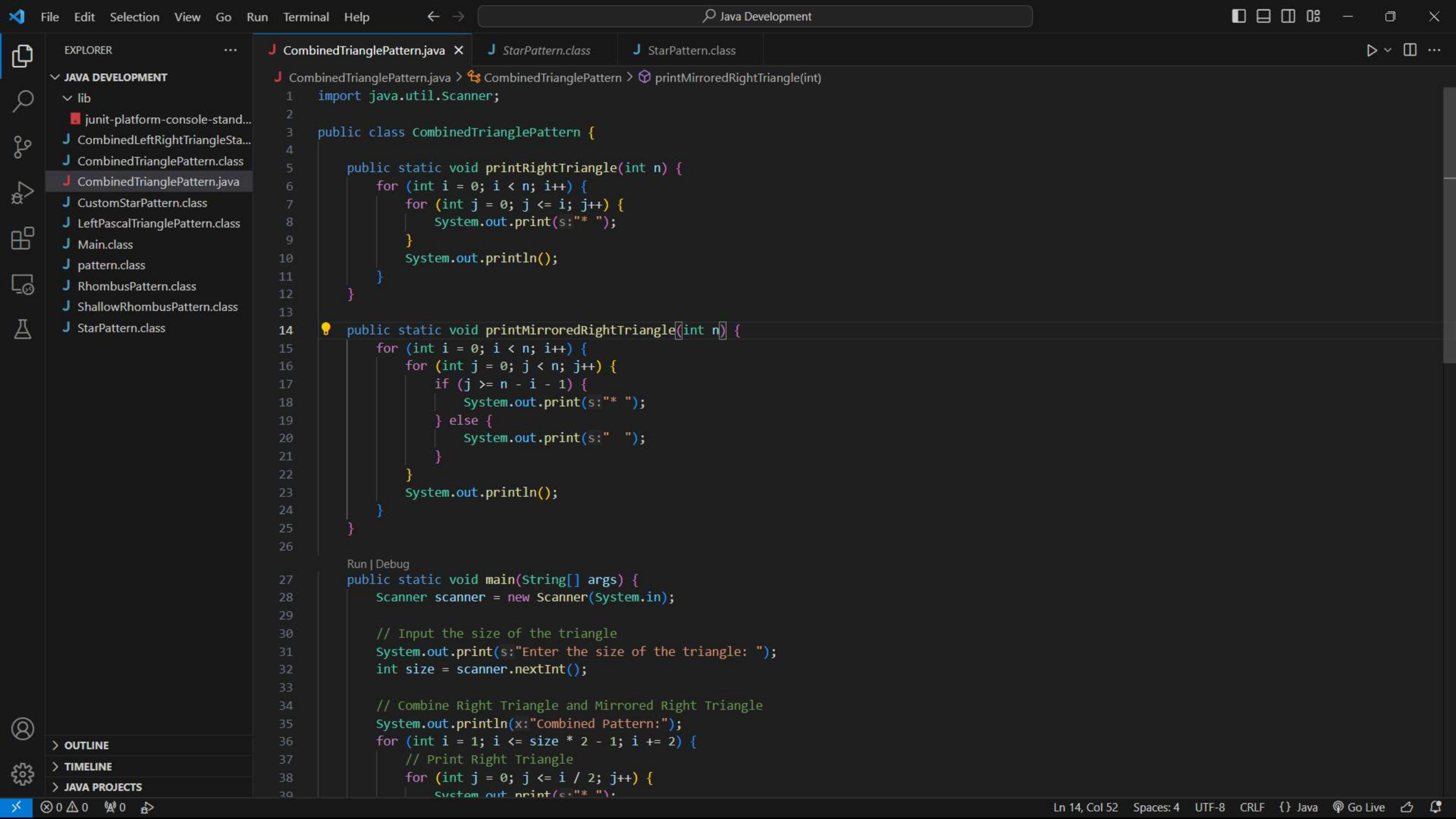



```
File Edit Selection View Go Run Terminal Help
Java Development

EXPLORER
  JAVA DEVELOPMENT
    lib
    junit-platform-console-stand...
    LeftPascalTrianglePattern.class
    Main.class
    pattern.class
    RhombusPattern.class
    RhombusPattern.java
    ShallowRhombusPattern.class
    StarPattern.class

RhombusPattern.java
RhombusPattern > main(String[])
13 for (int j = 1; j <= (n + 1) - i; j++) {
14     System.out.print(s:"");
15 }
16 for (int k = 1; k < i; k++) {
17     System.out.print(s:" "); // two spaces
18 }
19 for (int j = 1; j <= (n + 1) - i; j++) {
20     System.out.print(s:"");
21 }
22 System.out.println();
23 }
24
25 // Lower part of the rhombus
26 for (int i = 2; i <= n; i++) {
27     for (int j = 1; j <= i; j++) {
28         System.out.print(s:"");
29     }
30     for (int k = 1; k <= n - i; k++) {
31         System.out.print(s:" "); // two spaces
32     }
33     for (int j = 1; j <= i; j++) {
34         System.out.print(s:"");
35     }
36
37     System.out.println();
38 }
39
40 scanner.close();
41 }
42 }
43
```





EXPLORER

✓ JAVA DEVELOPMENT

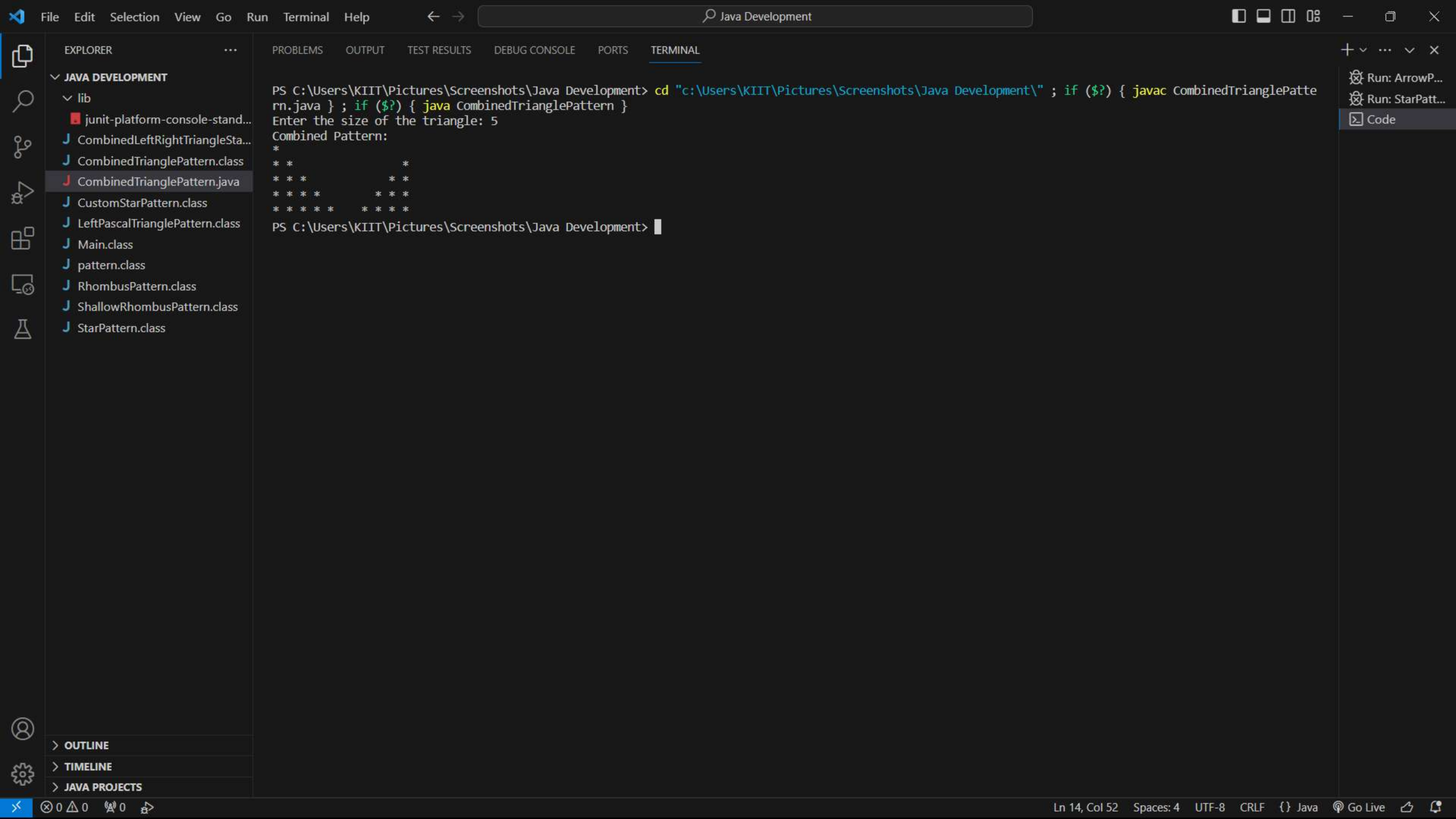
- lib
- junit-platform-console-stand...
- CombinedLeftRightTriangleSta...
- CombinedTrianglePattern.class
- CombinedTrianglePattern.java
- CustomStarPattern.class
- LeftPascalTrianglePattern.class
- Main.class
- pattern.class
- RhombusPattern.class
- ShallowRhombusPattern.class
- StarPattern.class

OUTLINE

TIMELINE

JAVA PROJECTS

```
CombinedTrianglePattern.java X StarPattern.class StarPattern.class
CombinedTrianglePattern.java > CombinedTrianglePattern > printMirroredRightTriangle(int)
1 import java.util.Scanner;
2
3 public class CombinedTrianglePattern {
4
5     public static void printRightTriangle(int n) {
6         for (int i = 0; i < n; i++) {
7             for (int j = 0; j <= i; j++) {
8                 System.out.print(s:"* ");
9             }
10            System.out.println();
11        }
12    }
13
14    public static void printMirroredRightTriangle(int n) {
15        for (int i = 0; i < n; i++) {
16            for (int j = 0; j < n; j++) {
17                if (j >= n - i - 1) {
18                    System.out.print(s:"* ");
19                } else {
20                    System.out.print(s:" ");
21                }
22            }
23            System.out.println();
24        }
25    }
26
27    public static void main(String[] args) {
28        Scanner scanner = new Scanner(System.in);
29
30        // Input the size of the triangle
31        System.out.print(s:"Enter the size of the triangle: ");
32        int size = scanner.nextInt();
33
34        // Combine Right Triangle and Mirrored Right Triangle
35        System.out.println(x:"Combined Pattern:");
36        for (int i = 1; i <= size * 2 - 1; i += 2) {
37            // Print Right Triangle
38            for (int j = 0; j <= i / 2; j++) {
39                System.out.print(s:"* ");
40            }
41            System.out.print(s:" ");
42            for (int j = 0; j <= i / 2; j++) {
43                System.out.print(s:"* ");
44            }
45            System.out.println();
46        }
47    }
48 }
```

EXPLORER

...

JAVA DEVELOPMENT

lib

junit-platform-console-stand...

CombinedLeftRightTriangleSta...

CombinedTrianglePattern.class

CombinedTrianglePattern.java

CustomStarPattern.class

LeftPascalTrianglePattern.class

Main.class

pattern.class

RhombusPattern.class

ShallowRhombusPattern.class

StarPattern.class

PROBLEMS

OUTPUT

TEST RESULTS

DEBUG CONSOLE

PORTS

TERMINAL

```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac CombinedTrianglePatte
rn.java } ; if ($?) { java CombinedTrianglePattern }
```

```
Enter the size of the triangle: 5
```

```
Combined Pattern:
```

```
*
* *
* * *
* * * *
* * * * *
```

```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```

+ -

Run: ArrowP...

Run: StarPatt...

Code

> OUTLINE

> TIMELINE

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