

Error Log Entry

What error message did you encounter (if any)?

What unexpected behavior did your program exhibit?

1. The formatting of the printed triangle did not display properly.
2. The triangle was centered except for the first star

```
Enter size of triangle: 4
***
**
*
```

```
Enter size of triangle: 4
*
****
*****
*****
```

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)

1. Logic Error - I couldnt figure out what was the correct line of code to print the right amount of stars
2. Logic Error - The stars were called to first before the spaces, so the first star didn't recieve its space

Include a screenshot of specific lines of code.

```
for (int i = 1; i <= lines; i++)
{
    int stars = lines - i;
    int spaces = lines - i;
    drawBar(stars);
    addSpace(spaces);
}
```

```
drawBar(stars);
addSpace(spaces);
```

How did you fix the issue?

1. I used chatgpt to help determine the correct formula to calculate the correct number of stars.
2. I switched the two call to the methods so that addSpace would be before the drawBar

Provide the corrected code or solution using a screenshot.

```
for (int i = 1; i <= lines; i++) // Loop to pr
{
    //calculate number of stars and lines
    int stars = 2 * i - 1;
    int spaces = lines - i;
    addSpace(spaces);
    drawBar(stars);
}
```

```
1 package History;
2 import java.util.Scanner;
3
4 public class IsoTriangle
5 {
6
7     public static void drawBar(int stars)
8     {
9         for (int i = 1; i <= stars; i++)
10             System.out.print("*");
11     }
12     System.out.println();
13
14
15
16
17     public static void addSpace(int spaces)
18     {
19         for (int i = 1; i <= spaces; i++)
20             System.out.print(" ");
21     }
22
23
24
25
26     public static void main(String[] args)
27     {
28         Scanner input = new Scanner(System.in);
29
30         System.out.print("Enter size of triangle: ");
31         int lines = input.nextInt();
32
33         for (int i = 1; i <= lines; i++)
34         {
35             int stars = 2 * i - 1;
36             int spaces = lines - i;
37             addSpace(spaces);
38             drawBar(stars);
39         }
40
41         input.close();
42     }
43
44 }
45
```

History Synchronize Git Staging Git Reflog Properties Console Type Hierarchy
terminated: IsoTriangle [Java Application] C:\Program Files\Eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.21.0.7\jre\bin\javaw.exe (Nov 17, 2023, 10:43:44 AM - 10:43:47 AM elapsed: 0:00:03.651) [pid: 3220]
Enter size of triangle: 4
*

