

Experiment No. 2 (b)

Aim

Java program to Print the Pyramid Star Pattern (Ask the user the Number of Rows using the Scanner class).

Source code

```
package java_file;

import java.util.Scanner;

public class _2b_Pyramid {

    public static void main(String[] args) {

        Scanner input=new Scanner(System.in);

        System.out.println("How Many Rows ???");

        int z=input.nextInt();

        int y=1;

        System.out.println("\n\nSTAR PYRAMID\n");

        for(int i=z;i>=1;i--)

        {

            for(int j=1;j<=i;j++)

                System.out.print(" ");

            int k=1;

            while(k<=y)

            {

                System.out.print("*");

                k++;

            }

            y+=2;

            System.out.println("");

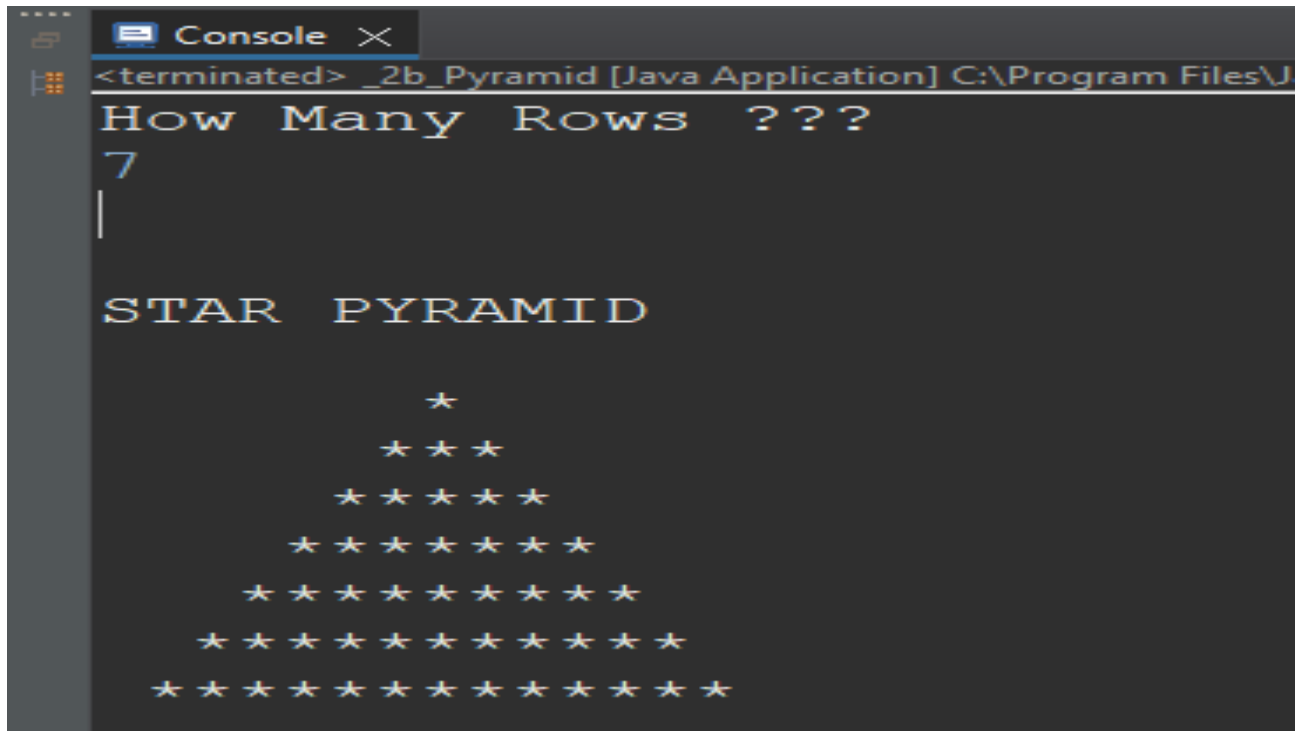
        }

    }

}
```

```
}  
}  
}
```

Output



The screenshot shows a Java console application window titled "Console". The application prompt is "<terminated> _2b_Pyramid [Java Application] C:\Program Files\J". The user input is "How Many Rows ???". The program output is "7" followed by a blank line, then "STAR PYRAMID". Below this, a pyramid of stars is displayed, consisting of 7 rows. The first row has 1 star, the second has 3 stars, the third has 5 stars, the fourth has 7 stars, the fifth has 9 stars, the sixth has 11 stars, and the seventh has 13 stars. The stars are centered in each row.

```
<terminated> _2b_Pyramid [Java Application] C:\Program Files\J  
How Many Rows ???  
7  
  
STAR PYRAMID  
  
      *  
    * * *  
  * * * * *  
* * * * * * *  
* * * * * * * *  
* * * * * * * * *  
* * * * * * * * * *
```