```
A program which displays a diamond pattern, whose breadth is (2n -1),
      where (n) is chosen by the user.
     Example:
       (n = 3)
import java.util.Scanner;
class Diamond {
     public static void main (String[] args) {
           System.out.print("Enter a number : ");
           int number = (new Scanner(System.in)).nextInt();
           for (int i = 1 - number; i < number; i++) {
                 for (int j = Math.abs(i); j \ge 0; j--)
                       System.out.print(" ");
                 for (int j = (2 * (number - Math.abs(i))) - 1; j > 0; j--)
                       System.out.print("*");
                 System.out.print("\n");
           }
     }
}
     Variable Description :
      ______
     Serial no. | Variable name | Data type | Purpose
      | number | int | Stores the number | entered
        2 | i | int | Counter variable (line | number)
        3 | j | int
                                       | Counter variable
```