

```

/*
 *      A program which displays (n) lines of the following pattern.
 *
 *              1
 *             21
 *            321
 *           ....
 *          n...1
 *
 *      Example :
 *      (n = 3)
 *
 *              1
 *             21
 *            321
 */

```

```
import java.util.Scanner;
```

```

class Staircase {
    public static void main (String[] args) {
        System.out.print("Enter a number : ");
        int number = (new Scanner(System.in)).nextInt();
        for (int i = 1; i <= number; i++) {
            for (int j = number - i; j >= 0; j--)
                System.out.print(" ");
            for (int j = i; j > 0; j--)
                System.out.print(j);
            System.out.print("\n");
        }
    }
}

```

```

/*
 *      Variable Description :
 *      -----
 *      Serial no. | Variable name | Data type | Purpose
 *      ~~~~~
 *      1          | number       | int       | Stores the number
 *              |              |           | entered
 *      -----+-----+-----+-----
 *      2          | i            | int       | Counter variable (line
 *              |              |           | number)
 *      -----+-----+-----+-----
 *      3          | j            | int       | Counter variable
 *      ~~~~~
 */

```