Java - Introduction to Programming Day 6

Patterns - Part 2



```
import java.util.*;

public class Solutions {
    public static void main(String args[]) {
        int n = 4;

        //upper part
        for(int i=1; i<=n; i++) {
            for(int j=1; j<=i; j++) {
                System.out.print("*");
        }

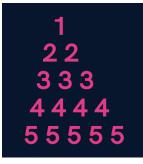
        int spaces = 2 * (n-i);
        for(int j=1; j<=spaces; j++) {
                System.out.print(" ");
        }

        for(int j=1; j<=i; j++) {
                System.out.print("*");
        }

        System.out.println();
    }

    //lower part
    for(int i=n; i>=1; i--) {
        for(int j=1; j<=i; j++) {</pre>
```





```
4.

1

212

32123

4321234

543212345
```

```
import java.util.*;

public class Solutions {
   public static void main(String args[]) {
     int n = 5;
     //upper part
```

Homework Problems

1. Print a hollow Butterfly.



2. Print a hollow Rhombus.

```
3. Print Pascal's Triangle.
    1
    11
   121
   1331
  14641
4. Print half Pyramid.
    1
    12
   123
   1234
  12345
5. Print Inverted Half Pyramid.
  11111
  222
  33
  4
```
