Java - Introduction to Programming Lecture 6

Patterns - Part 2

```
//lower part
for(int i=n; i>=1; 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();
}
</pre>
```

```
*****

*****

*****
```

```
import java.util.*;

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

```
1
22
333
4444
55555
```

```
*

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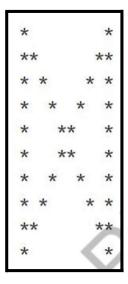
***

***
```

```
import java.util.*;
```

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

5. Print Inverted Half Pyramid.