Pattern Printing Questions

Q1.

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      *****
     *******
    *********
```

```java
class Solution {

    void printTriangle(int n) {
        int col=n*2-1 ;
        for( int i=0;i<n;i++){
            for(int j = 0; j<col; j++){
                if(j>=0 && j<(n-i-1) || j>n+i-1 && j<=col ){
                    System.out.print(" ") ;
                }
                if(j>=n-i-1 && j<=n+i-1){
                    System.out.print("*") ;
                }
            }
             System.out.println();
        }
    }
}
```

Q2

```
*****
****
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*
```

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

        for (int i = 0; i < n; i++) {
            for (int j = n; j > i; j--) {
                System.out.print('*');
            }
            System.out.println();
        }
    }
}
```

Q3

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

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

        for (int i = 1; i <= n; i++) {
            for (int j = 1; j <= i; j++) {
                System.out.print(j);
```

```
            }
            System.out.println();
        }
    }
}
```

Q4

```
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*****
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```

```java
public class Practise {
    public static void main(String[] args) {
        int n = 5;
        int row = n * 2 - 1;
        for (int i = 1; i < row; i++) {
            if (i <= row / 2) {
                for (int j = 1; j <= i; j++) {
                    System.out.print('*');
                }
            } else {
                for (int j = n - 1; j >= i - n; j--) {
                    System.out.print('*');
                }
            }

            System.out.println();
        }
        System.out.print('*');
    }
}
```

OR

```java
public class Practise {
    public static void main(String[] args) {
        int n = 5;
        for (int i = 1; i < n; i++) {
            for (int j = 1; j <= i; j++) {
                System.out.print('*');
            }
            System.out.println();
        }

        for (int i = 0; i < n; i++) {
            for (int j = n; j > i; j--) {
                System.out.print('*');
            }
            System.out.println();
        }

    }
}
```

Q.5

```
    *
   **
  ***
 ****
*****
```

```java
public class Practise {
    public static void main(String[] args) {
        int n = 5;
        for (int i = 0; i < n; i++) {
            for (int j = 0; j < n; j++) {
                if (j < n - i - 1) {
                    System.out.print(" ");
                } else {
                    System.out.print("*");
```

```
            }
        }
        System.out.println();
    }

    }
}
```

Q6

```
*****
 ****
  ***
   **
    *
```

```
public class Practise {
    public static void main(String[] args) {
        int n = 5;
        for (int i = 0; i < n; i++) {
            for (int j = n; j > 0; j--) {
                if (j > n - i) {
                    System.out.print(" ");
                } else {
                    System.out.print("*");
                }
            }
            System.out.println();
        }

    }
}
```