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Homework: Pattern printing

Patterns :

```
package practicalhw;

public class Pattern {

    public static void main(String[] args) {

        System.out.println("Pattern 1:");
        printPattern1(5);

        System.out.println("\nPattern 2:");
        printPattern2(5);

        System.out.println("\nPattern 3:");
        printPattern3(5);

        System.out.println("\nPattern 4:");
        printPattern4(5);

        System.out.println("\nPattern 5:");
        printPattern5(5);

        System.out.println("\nPattern 6:");
        printPattern6(5);

        System.out.println("\nPattern 7:");
        printPattern7(5);

        System.out.println("\nPattern 8:");
```

```

    printPattern8(5);
}

// Pattern 1
public static void printPattern1(int n) {
    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= i; j++) {
            System.out.print("* ");
        }
        System.out.println();
    }
}

// Pattern 2
public static void printPattern2(int n) {
    for (int i = n; i >= 1; i--) {
        for (int j = 1; j <= i; j++) {
            System.out.print("* ");
        }
        System.out.println();
    }
}

// Pattern 3
public static void printPattern3(int n) {
    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= n; j++) {
            System.out.print(j<=n-i?" ": "* ");
        }
        System.out.println();
    }
}

```

// Pattern 4

```
public static void printPattern4(int n) {  
    for (int i = 1; i <= n; i++) {  
        for (int j = 1; j <= n; j++) {  
            System.out.print(j>=i?"* ": " ");  
        }  
        System.out.println();  
    }  
}
```

// Pattern 5

```
public static void printPattern5(int n) {  
    for (int i = 1; i <= n; i++) {  
        for (int j = 1; j <= n-1; j++) {  
            System.out.print(j<=n-i?" ": "* ");  
        }  
        for (int k = 1; k <= i; k++) {  
            System.out.print("* ");  
        }  
        System.out.println();  
    }  
}
```

// Pattern 6

```
public static void printPattern6(int n) {  
    for (int i = 1; i <= n; i++) {  
        for (int j = n; j >= 1; j--) {  
            System.out.print(j>=i?"* ":" ");  
        }  
        for (int k = 1; k <= n; k++) {  
            System.out.print(k>=i?"* ": " ");  
        }  
        System.out.println();  
    }  
}
```

```

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

```

// Pattern 7

```

public static void printPattern7(int n) {
    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= i; j++) {
            System.out.print(i+" ");
        }
        System.out.println();
    }
}

```

// Pattern 8

```

public static void printPattern8(int n) {
    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= i; j++) {
            System.out.print(j+" ");
        }
        System.out.println();
    }
}
}

```