

Java Pattern Printing Examples

Pattern 1: Right-Angled Triangle of Stars

Output:

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

Java Code:

```
public class Pattern1 {
    public static void main(String[] args) {
        int rows = 5;
        for (int i = 1; i <= rows; i++) {
            for (int j = 1; j <= i; j++) {
                System.out.print("* ");
            }
            System.out.println();
        }
    }
}
```

Pattern 2: Inverted Triangle

Output:

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

Java Code:

```
public class Pattern2 {
    public static void main(String[] args) {
        int rows = 5;
        for (int i = rows; i >= 1; i--) {
            for (int j = 1; j <= i; j++) {
                System.out.print("* ");
            }
            System.out.println();
        }
    }
}
```

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```
}
```

Pattern 3: Right-Aligned Triangle

Output:

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

Java Code:

```
public class Pattern3 {
    public static void main(String[] args) {
        int rows = 5;
        for (int i = 1; i <= rows; i++) {
            for (int space = i; space < rows; space++) {
                System.out.print(" ");
            }
            for (int star = 1; star <= i; star++) {
                System.out.print("* ");
            }
            System.out.println();
        }
    }
}
```

Pattern 4: Half Pyramid with Numbers

Output:

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

Java Code:

```
public class Pattern4 {
    public static void main(String[] args) {
        int rows = 5;
        for (int i = 1; i <= rows; i++) {
            for (int j = 1; j <= i; j++) {
```

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```
        System.out.print(j + " ");
    }
    System.out.println();
}
}
```

Pattern 5: Floyd's Triangle

Output:

```
1
2 3
4 5 6
7 8 9 10
```

Java Code:

```
public class Pattern5 {
    public static void main(String[] args) {
        int num = 1;
        int rows = 4;
        for (int i = 1; i <= rows; i++) {
            for (int j = 1; j <= i; j++) {
                System.out.print(num + " ");
                num++;
            }
            System.out.println();
        }
    }
}
```