**Pattern Examples**

1.Draw the following pattern.

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\* \* \*

\* \* \* \*

import java.util.Scanner;

public class PyramidPattern {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the number of rows: ");

int rows = scanner.nextInt();

scanner.close();

for (int i = 1; i <= rows; i++) {

for (int j = 1; j <= i; j++) {

System.out.print("\* ");

}

System.out.println();

}

}

}

2.Draw the following pattern.

\* \* \* \*

\* \* \*

\* \*

\*

import java.util.Scanner;

public class ReversePyramidPattern {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the number of rows: ");

int rows = scanner.nextInt();

scanner.close();

for (int i = rows; i >= 1; i--) {

for (int j = 1; j <= i; j++) {

System.out.print("\* ");

}

System.out.println();

}

}

}

3.Draw the following pattern.

1

1 2

1 2 3

1 2 3 4

public class NumberPattern {

public static void main(String[] args) {

int rows = 4;

for (int i = 1; i <= rows; i++) {

for (int j = 1; j <= i; j++) {

System.out.print(j + " ");

}

System.out.println();

}

}

}

4.Draw the following pattern.

1

2 3

4 5 6

7 8 9 10

public class NumberPattern {

public static void main(String[] args) {

int rows = 4;

int number = 1;

for (int i = 1; i <= rows; i++) {

for (int j = 1; j <= i; j++) {

System.out.print(number + " ");

number++;

}

System.out.println();

}

}

}

4.Draw the following pattern.

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

public class NumberPattern {

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(j + " ");

}

System.out.println();

}

}

}

5.Draw the following pattern.

1

0 1

1 0 1

0 1 0 1

1 0 1 0 1

public class NumberPattern {

public static void main(String[] args) {

int rows = 5;

for (int i = 1; i <= rows; i++) {

int num = i % 2;

for (int j = 1; j <= i; j++) {

System.out.print(num + " ");

num = 1 - num;

}

System.out.println();

}

}

}