Write a program to print the following pattern

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CODE:

import java.util.Scanner;

public class PatternPrinter {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the maximum number of times to be printed: ");

int n = scanner.nextInt();

// Loop to print the top half of the pattern

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

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

System.out.print("1");

}

System.out.println();

}

// Loop to print the bottom half of the pattern

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

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

System.out.print("1");

}

System.out.println();

}

scanner.close();

}

}

OUTPUT:

C:\javap>javac PatternPrinter.java

C:\javap>java PatternPrinter

Enter the maximum number of times to be printed: 3

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