import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the size of the multiplication table: ");

if (!scanner.hasNextInt()) {

System.out.println("Error: Invalid input. Please enter a valid integer.");

return;

}

int size = scanner.nextInt();

if (size <= 0) {

System.out.println("Error: Please enter a positive integer greater than 0.");

return;

}

int[][] table = new int[size][size];

for (int i = 0; i < size; i++) {

for (int j = 0; j < size; j++) {

table[i][j] = (i + 1) \* (j + 1);

}

}

System.out.println("\nMultiplication Table:");

for (int i = 0; i < size; i++) {

for (int j = 0; j < size; j++) {

System.out.printf("%4d", table[i][j]);

}

System.out.println();

}

scanner.close();

}

}