Write a program to print the numbers from M to N by skipping K numbers in between?

CODE:

import java.util.Scanner;

public class SkipNumbers {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Getting the values of M, N, and K from the user

System.out.print("Enter the starting number (M): ");

int m = scanner.nextInt();

System.out.print("Enter the ending number (N): ");

int n = scanner.nextInt();

System.out.print("Enter the number of elements to skip (K): ");

int k = scanner.nextInt();

// Printing numbers from M to N by skipping K numbers in between

System.out.println("Numbers from " + m + " to " + n + " skipping " + k + " numbers:");

printNumbersWithSkip(m, n, k);

scanner.close();

}

public static void printNumbersWithSkip(int m, int n, int k) {

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

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

}

System.out.println();

}

}

OUTPUT:

C:\javap>javac SkipNumbers.java

C:\javap>java SkipNumbers

Enter the starting number (M): 8

Enter the ending number (N): 50

Enter the number of elements to skip (K): 5

Numbers from 8 to 50 skipping 5 numbers:

8 14 20 26 32 38 44 50

