1. Develop a program to print the Fibonacci series up to 10000 using a combination of loops. Break the loop if a number in the series exceeds 10000.

public class FibonacciSeriesMixLoop {

public static void main(String[] args) {

int prev = 0; // Previous number in the series

int current = 1; // Current number in the series

System.out.println(prev); // Print the first number of the series

while (current <= 10000) { // Continue until the current number exceeds 10000

System.out.println(current); // Print the current number

int next = prev + current; // Calculate the next number in the series

prev = current; // Update the previous number

current = next; // Update the current number

}

}

}