import java.util.Scanner;

public class LabeledUnlabeledBreakDemo {

public static void main(String[] args) {

// Labeled break statement

labeledBreakDemo();

// Unlabeled break statement

unlabeledBreakDemo();

}

public static void labeledBreakDemo() {

// Using a label to identify the loop

outerLoop: for (int i = 1; i <= 3; i++) {

for (int j = 1; j <= 3; j++) {

if (i == 2 && j == 2) {

System.out.println("Labeled break: Loop terminated at i=" + i + ", j=" + j);

// Using labeled break to terminate the outer loop when i=2 and j=2

break outerLoop;

}

System.out.println("i=" + i + ", j=" + j);

}

}

}

public static void unlabeledBreakDemo() {

// Unlabeled break statement

for (int i = 1; i <= 3; i++) {

for (int j = 1; j <= 3; j++) {

if (i == 2 && j == 2) {

System.out.println("Unlabeled break: Loop terminated at i=" + i + ", j=" + j);

// Using unlabeled break to terminate the inner loop when i=2 and j=2

break;

}

System.out.println("i=" + i + ", j=" + j);

}

}

}

}