import java.util.\*;

public class Practice

{

Map<Integer,ArrayList<Integer>> adjListMap;

public Practice()

{

adjListMap=new HashMap<>();

}

public void addVertex(int v)

{

adjListMap.put(v,new ArrayList<Integer>());

}

public void addEdge(int a , int b)

{

adjListMap.get(a).add(b);

adjListMap.get(b).add(a);

}

public void display() {

System.*out*.println("Graph Representation (Adjacency List):");

adjListMap.forEach((vertex, neighbours) ->

System.*out*.println(vertex + " ---> " + neighbours)

);

}

public static void main(String[] args) {

Graph graph = new Graph();

// Add vertices

graph.addVertex(1);

graph.addVertex(2);

graph.addVertex(3);

// Add edges

graph.addEdge(1, 2);

graph.addEdge(2, 3);

graph.addEdge(3, 1);

// Display the graph

graph.display();

}

}