// Target Interface

interface Printer {

void print(String message);

}

// Adaptee (legacy system)

class LegacyPrinter {

void printMessage(String message) {

System.out.println("Legacy Printer: " + message);

}

}

// Adapter

class PrinterAdapter implements Printer {

private LegacyPrinter legacyPrinter;

public PrinterAdapter(LegacyPrinter legacyPrinter) {

this.legacyPrinter = legacyPrinter;

}

@Override

public void print(String message) {

legacyPrinter.printMessage(message);

}

}

// Client code

public class AdapterPatternDemo {

public static void main(String[] args) {

LegacyPrinter legacyPrinter = new LegacyPrinter();

Printer printer = new PrinterAdapter(legacyPrinter);

printer.print("Hello, World!"); // Output: Legacy Printer: Hello, World!

}

}