public class LambdaExamples {

public static void main(String[] args) {

// 1. No arguments, no return value

NoArgs noArgsLambda = () -> System.out.println("Hello from no-args lambda!");

noArgsLambda.execute();

// 2. One parameter, no return value

OneArg oneArgLambda = (name) -> System.out.println("Hello, " + name + "!");

oneArgLambda.greet("Alice");

// 3. Two parameters, returns a value

TwoArgs twoArgsLambda = (a, b) -> a + b;

int result = twoArgsLambda.add(5, 3);

System.out.println("Sum: " + result);

}

// Functional interface for no arguments

interface NoArgs {

void execute();

}

// Functional interface for one parameter

interface OneArg {

void greet(String name);

}

// Functional interface for two parameters with a return value

interface TwoArgs {

int add(int a, int b);

}

}