Modern Java Pocket Guide



Lambda Expressions

Lambda expressions are a concise way to represent anonymous functions in Java.

They provide a shorthand notation for writing code allowing the creation of small, inline implementations of functional interfaces.

Lambda expressions consist of parameters, an arrow token (->), and a body:

```
// Ensures the interface can have lost one settled
Of and Thought other face.
feterface businession (
  for married at her his
public class Lasteinfrancis (
  public static unid main(htring[] args) (
    fundamental numberation + (a, b) -> a + b;
    int result a sumfunction sum(5, 10;
```

Functional interfaces are lava interfaces that contain exactly one abstract method. They serve as

The world before Lambda

This is the same example rewritten as a standard anonymous inner Class:

```
Interface Sumfunction (
   ted number at the bit
Somfunction sumfunction + now Somfunction()
   STATE OF BRIDE
   public int num(int a, int b) (
        custom a riby
for result a manufaction.com(), 3);
```

All functional interfaces implement exactly one method, which allows for syntactic sugar to implement that one method with much less code.

```
D -9 expression | statement ..
Transpired I necessary to make
(paramo) of magicanation ( statement
(paraes) -> ( expressions and statements )
(bose) [persen] - [-expressions and statements ]
```

ern Java Pocket Guide

red to provide a container for a value that may or may not be present.

f Optional is to handle the accessrio where a method might return Ex result.

Set "Hesult" to "value" or get it /hom. Bettlerell-early by String results a Sectional orbid lab below). * steffed@tiplian(15); the a more mail value Use Lambda Expensations

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```

Plan throw an Exception

th a potentially null value

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"If "optional" is not

or Court to the Art Tall

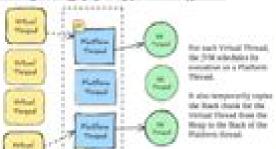


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Robert Liguori, Patricia Liguori

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