MODERN JAVA IN ACTION

**CONTENTS**

[1 PART 1 - FUNDAMENTALS 3](#_Toc128334426)

# PART 1 - FUNDAMENTALS

## What’s a predicate?

The word predicate is often used in mathematics to mean something function-like that takes a value for an argument and returns true or false. Java 8 would also allow you to write Function<Apple, Boolean>. using Predicate<Apple> is more standard (and slightly more efficient) than using Function<Apple, Boolean> because it avoids boxing a boolean into a Boolean).

## Behavior Parameterization

Behavior parameterization is a software development pattern that lets you handle frequent requirement changes. In a nutshell, it means taking a block of code and making it available without executing it. This block of code can be called later by other parts of your programs, which means that you can defer the execution of that block of code. For instance, you could pass the block of code as an argument to another method that will execute it later. As a result, the method’s behavior is parameterized based on that block of code.