# Java functional programming

Github repo: <https://github.com/in28minutes/functional-programming-with-java>

## Method reference

A computer screen shot of a program code

Description automatically generated

## .stream().filter

A computer screen shot of code

Description automatically generated

## Lambda expressions

A screenshot of a computer

Description automatically generated

## Streams

### reduce()

Performs an **accumulation operation** on all elements in the stream, reducing them to a single value.

A screen shot of a computer code

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### distinct(), sorted()

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### collect()

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Description automatically generated

## Intermediate and terminal operations

### Intermediate

* Transform or filter the elements of a stream without producing a final result.
* They create a new stream based on the original one.
* i.e. filter(), sorted(), distinct(), map()

### Terminal

* Produce a final result from the elements in a stream.
* They consume the entire stream and do not return a new stream.
* i.e. forEach(), collect(), reduce()

## Functional interfaces