

Java 8 Streams:

Space, Time, & Donuts

by Michael Easter @codetojoy

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Clojure

Scala

Groovy

jRuby

Java

Java Virtual Machine

sequence of values in time

sequence of values in time

No storage

sequence of values in time

No storage

iterated over once

Declarative

Declarative

Internal iteration

Declarative

Internal iteration

Pipeline

Declarative

Internal iteration

Infinite
Pipeline
Lazy (vs Eager)

Intermediate Ops

distinct

filter

map

limit

sorted

Terminal Ops

collect

count

findAny

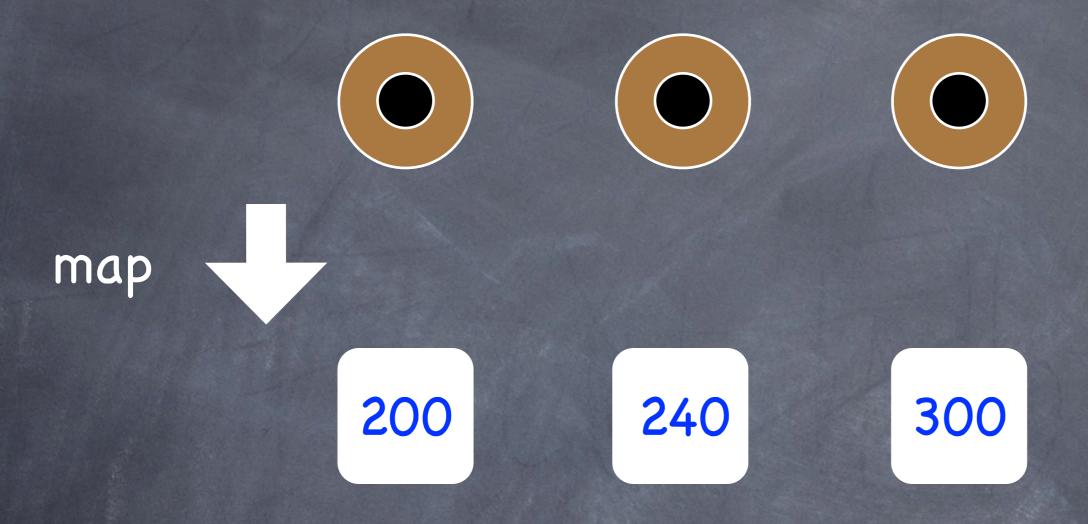
anyMatch

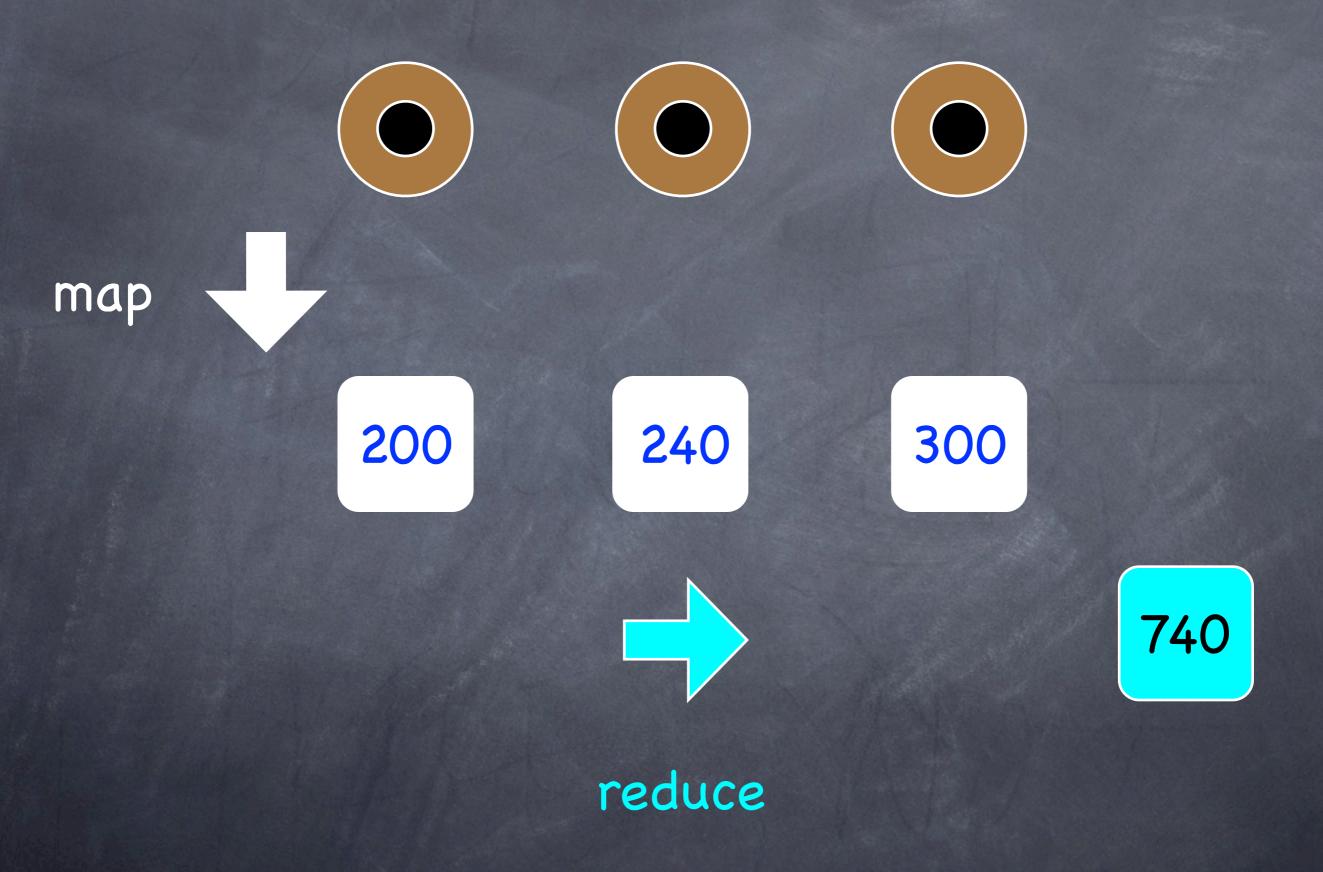
reduce

Lambda expressions

Method references

Default methods





References

"Java 8 in Action: Lambdas, streams, and functional-style Programming"

- Raoul-Gabriel Urma, Mario Fusco, and Alan Mycroft
- http://www.manning.com/urma/

Brian Goetz, Lambdas and Streams in Java 8

- <u>www.drdobbs.com/jvm/lambdas-and-streams-in-java-8-libraries/</u> <u>240166818</u>

Charles Sharp, STL JUG - http://java.ociweb.com/javasig/knowledgebase/2015-01/Java8Streams.pdf

Amit Phaltankar - http://java.amitph.com/2014/01/understanding-java-8-streams-api.html

Deech - http://twitter.com/deech

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CC license - https://creativecommons.org/licenses/by-nc-nd/2.0/

Torus - http://en.wikipedia.org/wiki/Torus

Dreamy Donuts - http://bit.ly/1E9ztCM

Homer - http://rebloggy.com/post/gif-lol-hell-the-simpsons-simpsons-homer-homer-simpson-eating-doughnut/44103086652