Comparing and Accumulating
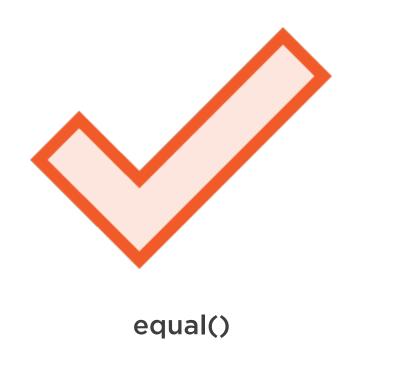
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Are These Collections the Same?

equal()

mismatch()

Holding a Pair of Values

std::pair

Any combination of types

Strongly typed

Get the elements with .first and .second
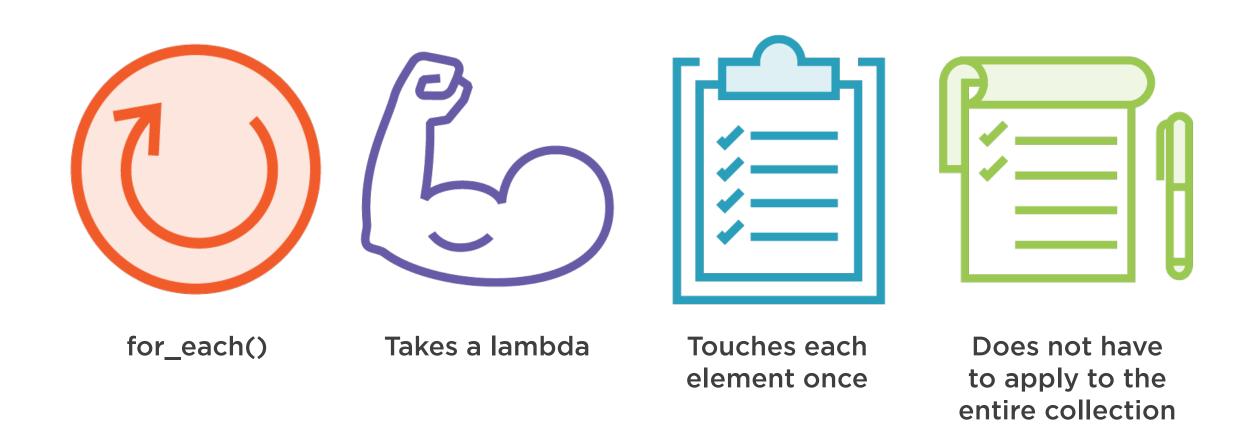
Total the Elements of a Collection

accumulate()

Uses +

Or your lambda

Total does not have be same type as elements

A Loop in Disguise

for_each()

Takes a lambda

Touches each element once

Does not have to apply to the entire collection

Summary

Comparing two collections is easy

The pair class is very useful
- not just when comparing

Adding up or combining all the elements of a collection is just one line of code

If you're sure you need a loop, consider for_each instead