Working with Maps



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Maps

Key-sorted unless with a range loop

Maps

Key-value pairs (dictionary, hash table...)



Sunderland: 6

Man Utd: 20

Liverpool: 19

Chelsea: 6

Newcastle: 4



Sunderland: 6

Man Utd: 20

Liverpool: 19

Chelsea: 6



Sunderland: 6

Man Utd: 20

Liverpool: 19

Chelsea: 6



Sunderland: 7

Man Utd: 20

Liverpool: 19

Chelsea: 6



Sunderland: 8

Man Utd: 20

Liverpool: 19

Chelsea: 6



Sunderland: 9

Man Utd: 20

Liverpool: 19

Chelsea: 6



Sunderland: 10

Man Utd: 20

Liverpool: 19

Chelsea: 6



Sunderland: 11

Man Utd: 20

Liverpool: 19

Chelsea: 6



Sunderland: 12

Man Utd: 20

Liverpool: 19

Chelsea: 6



Agenda



Getting started with maps

Iterating maps

Updating maps

Misc

Recap



Getting Started with Maps



Key type needs to be a comparable type (works with == and !=)

Keys must be unique

Misc.



Go maps

Reference types
Cheap to pass around

Specify size (for larger maps)

Not thread-safe



Recap



Go maps recap

Declaring maps

map[string]float64

Map ordering

Unordered when retrieved with range loop

Maps are dynamic

myMap[<key>] = <value>
 delete(myMap, <key>)

Maps are reference types

Passed to functions by reference



Up Next: Working with Structs