Maps



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- Maps are unordered
- Maps <key>: <value> pairs
 Similar to arrays and slices.... but...

<key>: <value>

Sunderland: 6

Manchester Utd: 20

Chelsea:4

Newcastle:4

Liverpool: 18

Similar to arrays and slices.... but...

- Maps are unordered
- Maps <key>: <value> pairs
- Maps Dynamically resizable
- Maps are references

<key>: <value>

Sunderland: 12

Manchester Utd: 20

Chelsea:4

Liverpool: 18

Manchester City: 4

Building Maps

map[keyType]valueType

Iterating Maps...

...and random offsets

References and Performance

Maps are reference types

- Passed to functions by reference
- Changes made by functions visible to caller
- Unsafe for concurrency
- Cheap to pass

Specify size for large maps

- make(map[<keyType>]<valueType>, size)
- Can improve performance

Summary

Declaring Maps

map[string]float64

Maps are unordered

for range loops iterate maps Returned with random offset

Maps are dynamic

myMap[<key>] = <value>

delete(myMap, <key>)

Maps are references

Similar to slices and pointers Passed by reference