Implementing Reflection



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What is Reflection?



Types in Go



Basic Types

Aggregate Types

Reference Types

Interface Types

The Empty Interface

dosomething.go

```
func DoSomething(t interface{}) {
    switch reflect.TypeOf(t).Name() {
    // change action based on type expected
DoSomething(interfaceOne)
DoSomething(interfaceTwo)
```

Overview



Creating custom types

Accessing types at runtime

Creating types at runtime

Creating functions at runtime





Creating custom types





Accessing types at runtime





Creating types at runtime





Creating Functions



Summary



Created custom types

Accessing types at runtime

Creating types at runtime

Creating functions at runtime



What Have We Learned?



CLI Applications



Created some CLI applications

Read command line arguments

Utilized flags

Read keyboard inputs

Learned about bufio



FMT Package



Input scanning

Formatting output

Manipulating strings

Formatting other data types



Logging



Understanding error levels
Formatting log output
Creating useful log files
Utilizing the trace logger



Time



Wall clock vs. monotonic clock

Formatted time output

Calculated time spans

Calculated elapsed time for applications



Strings



How strings work in Go

Comparing strings

String splitting

Find and replace in strings

Trimming strings

Casing strings



Reflection



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Go out and write some code!



Thank You!



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