Polymorphism

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Overview

Polymorphism

Strategies

Polymorphism

The ability to transparently substitute a family of types that implement a common set of behaviors.

Polymorphism

Reader

Read([]byte) (int, error)

File

Read([]byte) (int, error)

TCP

Read([]byte) (int, error)

WebSocket

Read([]byte) (int, error)

Interfaces

Interfaces

```go
type PaymentOption interface {

    ProcessPayment(float32) bool

}

type CreditAccount struct { ... }

func (c *CreditAccount) ProcessPayment(amt float32) bool { ... }

type CashAccount struct { ... }

func (c *CashAccount) ProcessPayment(amt float32) bool { ... }
```

Interfaces are implicitly implemented in Go!

Summary

Polymorphism

Strategies

- Interfaces

Course Summary

Introduction

Encapsulation

Message Passing

Composition

Polymorphism