Interfaces

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Generic

 Generic programming is a style of computer programming in which algorithms are written in terms of types to-be-specified-later that are then instantiated when needed for specific types provided as parameters.



Interfaces

- Interface is two thing:
 - It it is a set of methods
 - It is also a type

 An interface type is defined as a set of method signatures.

• A value of interface type can hold any value that implements those methods.



The Empty Interface

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Interface Values

 Can be thought of as a tuple of a value and a concrete type

```
(value, type)
```



Type Assertion

 A type assertion provides access to an interface value's underlying concrete value.

```
t, ok := i.(T)
```



Type Switches

```
switch v := i.(type) {
case int:
    // here v has type int
case float:
    // here v has type float
default:
    // no match; here v has the same type as i
```

