## **Returning Errors**

This lesson talks about Displaying error messages in Go and use of fmt package for printing

WE'LL COVER THE FOLLOWING
Returning an Error Message
The fmt Package

## Returning an Error Message #

In the previous lessons, we learned how to implement interfaces in Go. We will now look at how we can display error messages within them. An **error** is anything that can describe itself as an error string. The idea is captured by the predefined, built-in interface type, error, with its single method, **Error**, returning a string:

```
type error interface {
   Error() string
}
```

## The fmt Package #

The fmt package's various print routines automatically know to call the method when asked to print an error.

```
package main

import (
    "fmt"
    "time"
)

type MyError struct {
    When time.Time
    What string
}

func (e *MyError) Error() string {
```

To better enhance your understanding of this concept, an exercise on errors is provided at the end of the chapter.