

## Module 2 Quiz

Quiz, 7 questions

5/7 points (71.42%)

✗ **Try again once you are ready.**

Required to pass: 75% or higher

You can retake this quiz up to 3 times every 8 hours.

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Retake



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point

1.

Is the highlighted assignment to f in the following code a legal variable assignment?

```
var f func(string) int

func test(x string) int {

    return len(x)

}

func main() {

    f = test

}
```



Yes



**Correct**

Correct!



No

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2.

Which of the following statements correctly declares a function whose argument is another function which takes an integer as an argument and returns a string?

- ☐ func fA(fB (int) string)
- ☐ func fA(fB func (int) string)
- ☒ func fA(fB func (int)) string

**This should not be selected**

The argument fB does not return a string. fA does instead.

- ☐ func fA(fB func (string) int)

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3.

What is an anonymous function?

- ☐ A function with no return value
- ☐ A function with multiple names
- ☒ A function with no name

**Correct**

Correct!

- ☐ A function with no arguments

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4.

Which of the following statements correctly declares a function whose return value is another function which takes a string as an argument and returns an integer?

`func fA(fB (int) string) func (string) int`**This should not be selected**

No return value is declared.

`func fA(fB func (int) string) {}``func fA(int) string {}``func fA() fB func (string) int {}`

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5.

```
1 func fA() func() int {  
2     i := 0  
3     return func() int {  
4         i++  
5         return i  
6     }  
7 }  
8 func main() {  
9     fB := fA()  
10    fmt.Print(fB())  
11    fmt.Print(fB())  
12 }  
13
```

What does the above code print on the screen?

☒ 12**Correct**

Correct!

☐ 11☐ 01☐ 11 / 1  
point

6.

What symbols are used in a function declaration to indicate that it is a variadic function?

☐ "->"☒ "..."**Correct**

Correct!

☐ "\_\_\_"☐ "[]"

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7.

What does this routine produce?

```
1 package main
2
3 import "fmt"
4
5 func main() {
6
7     i := 1
8
9     fmt.Print(i)
10
11    i++
12
13    defer fmt.Print(I+1)
14
15    fmt.Print(i)
16
17 }
```

☐ 132☐ 134☐ 234☒ 123**Correct**

Correct! The *defer* statement prints 3 after the surrounding function returns. Thus 2 is printed before 3.

