✓ **Congratulations! You passed!**
TO PASS 75% or higher

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GRADE
100%

Module 2 Quiz

LATEST SUBMISSION GRADE

100%

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

   1 / 1 point

   var f func(string) int

   func test(x string) int {

   return len(x)

   }

   func main() {

   f = test

   }

   ⦿ Yes

   ◯ No

   ✓ **Correct**
   Correct!

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?

   1 / 1 point

   ◯ func fA(fB (int) string)

   ⦿ func fA(fB func (int) string)

   ◯ func fA(fB func (int))
   string

   ◯ func fA(fB func (string) int)

   ✓ **Correct**
   Correct!

3. What is an anonymous function?

   1 / 1 point

   ◯ A function with no return value

   ◯ A function with multiple names

   ⦿ A function with no name

   ◯ A function with no arguments

   ✓ **Correct**
   Correct!

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
- ● func fA(fB func (int) string) {}
- ○ func fA(int) string {}
- ○ func fA() fB func (string) int{}

✓ **Correct**
Correct!

5.

```
 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
- ○ 11
- ○ 01
- ○ 1

✓ **Correct**
Correct!

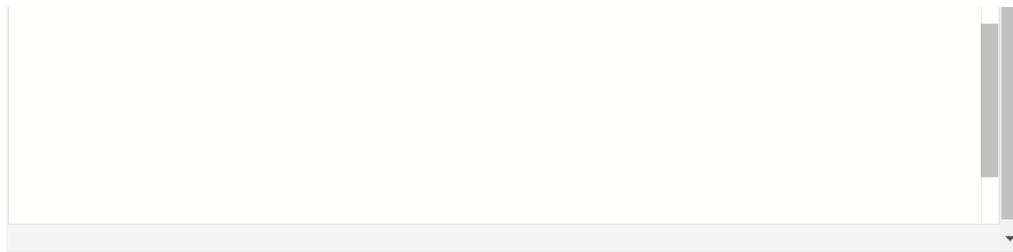6. What symbols are used in a function declaration to indicate that it is a variadic function?

- ○ "->"
- ● "..."
- ○ "---"
- ○ "[]"

✓ **Correct**
Correct!

7. What does this routine produce?

```
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.