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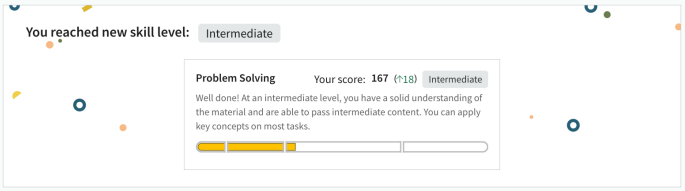

1. Is the highlighted assignment to f in the following code a legal variable assignment? — 1 / 1 point

```
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? — 0 / 1 point

- (•) func fA(fB (int) string) func (string) int
- ( ) func fA(fB func (int) string) {}
- ( ) func fA(int) string {}
- ( ) func fA() fB func (string) int{}

Incorrect
No return value is declared.

5. — 1 / 1 point

```
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
- ( ) 11
- ( ) 01
- ( ) 1

Correct
Correct!

6. What symbols are used in a function — 1 / 1 point

Challenge yourself!

About **49%** of learners didn't pass this exam on their first try. But don't worry, you can always try again!

Was this helpful? Yes No

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declaration to indicate that it is a variadic function?

- "->"
- "..."
- "---"
- "[]"

Correct
Correct!

7. What does this routine produce? 1 / 1 point

```
package main

import "fmt"

func main() {

i := 1

fmt.Print(i)

i++

defer fmt.Print(I+1)

fmt.Print(i)

}
```

- 132
- 134
- 234
- 123

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

Challenge yourself!

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Was this helpful? Yes No