

✓ **恭喜！您通过了！**

下一项



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分数

1.

What line of code could be used to define a loop which iteratively reads from a channel **ch1**?

- ☐ for i <- ch1
- ☒ for i := range ch1

正确

Correct!

- ☐ for i, err <- range ch1
- ☐ for i := ch1



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2.

What does the **select** keyword do?

- ☐ Executes a set of case statements.
- ☒ Allows a choice of channels to wait on.

正确

Correct!

- ☐ Chooses the greatest of a set of numbers.
- ☐ Chooses an element from a list based on a user-defined criterion.

What is the meaning of the **default** clause inside a **select**?

☒ The default clause is executed if all case clauses are blocked.



正确

Correct!

☐ The default clause is executed before any case clause is executed.

☐ The default clause is executed after any case clause is executed.

☐ The default clause is executed only if a case clause is executed.



4.

Suppose that there are two goroutines, g1 and g2, which share a variable x. X is initialized to 0. The only instruction executed by g1 is  $x = 4$ . The only instruction executed by g2 is  $x = x + 1$ . What is a possible value for x after both goroutines are complete?

I. 0

II. 1

III. 4

IV. 5

☐ I and II only.

☐ II and III only.

☐ I, II, and III but not IV.

☒ II, III, IV, but not I.



正确

Correct!



5.  
Module 4 Quiz  
What is mutual exclusion?  
测验, 7 个问题

7/7 分 (100%)

- ☐ When a single goroutine can execute only one of two blocks of code.
- ☐ When a single goroutine cannot execute a block of code.
- ☒ When multiple goroutines cannot execute blocks of code concurrently.

正确  
Correct!

- ☐ When a single goroutine is the only goroutine which ever accesses a variable.



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6.  
What is true about deadlock?

- I. It can always be detected by the Golang runtime
- II. Its caused by a circular dependency chain between goroutines
- III. It can be caused by waiting on channels

- ☐ I and II only.
- ☒ II and III only.

正确  
Correct!

- ☐ I and III only.
- ☐ I, II, and III.



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分数

7.  
What is the method of the sync.mutex type which must be called at the beginning of a critical region?

- ☒ Lock()

正确

Correct!

## Module 4 Quiz

测验, 7 个问题

7/7 分 (100%)

☐ Unlock()

☐ Take()

☐ Block()

