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

Keep Learning

GRADE
100%

Module 4 Quiz

LATEST SUBMISSION GRADE

100%

1. What line of code could be used to define a loop which iteratively reads from a channel **ch1**?   `1 / 1 point`

   ○ for i <- ch1

   ● for i := range ch1

   ○ for i, err <- range ch1

   ○ for i := ch1

   ✓ **Correct**
   Correct!

2. What does the **select** keyword do?   `1 / 1 point`

   ○ Executes a set of case statements.

   ● Allows a choice of channels to wait on.

   ○ Chooses the greatest of a set of numbers.

   ○ Chooses an element from a list based on a user-defined criterion.

   ✓ **Correct**
   Correct!

3. What is the meaning of the **default** clause inside a **select**?   `1 / 1 point`

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

   ○ 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.

   ✓ **Correct**
   Correct!

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?   `1 / 1 point`

   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.

✓ **Correct**
Correct!

5. What is mutual exclusion?   **1 / 1 point**

○ 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.

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

✓ **Correct**
Correct!

6. What is true about deadlock?   **1 / 1 point**

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.

○ I and III only.

○ I, II, and III.

✓ **Correct**
Correct!

7. What is the method of the sync.mutex type which must be called at the beginning of a critical region?   **1 / 1 point**

⦿ Lock()

○ Unlock()

○ Take()

○ Block()

✓ **Correct**
Correct!