## Congratulations! You passed!

Grade received 100% | Latest Submission Grade 100% | To pass 75% or higher

Go to next item

### You increased your skill scores!

**Computer Programming**
Your score: 290 (↑4) Intermediate
Well done! At an intermediate level, you have a solid understanding of the material and are able to pass intermediate content. You can apply key concepts on most tasks.

**Critical Thinking** Your score: 283 (↑3) Intermediate
Well done! At an intermediate level, you have a solid understanding of the material and are able to pass intermediate content. You can apply key concepts on most tasks.

Show more skills

1. Suppose you want to start a goroutine which executes a function called **test1()**. What code would create this goroutine? — 1 / 1 point

- **test1() go**
- **start test1()**
- **goroutine test1()**
- **go test1()** ✓

Correct
Correct!

2. When does a goroutine complete? — 1 / 1 point

I. When its code completes.

II. When all goroutines complete.

III. When the main goroutine completes.

- I and II, NOT III.
- I and III, NOT II. ✓
- I, II, and III.
- I only.

Correct
Correct!

3. Synchronization is useful for what purpose? — 1 / 1 point

I. Restrict illegal interleavings.

II. Force events in different goroutines to occur in sequence.

III. Allow a goroutine to continue to execute after the main goroutine has completed.

- I, II, and III.
- I only.
- I and III, NOT II.
- I and II, NOT III. ✓

Correct
Correct!

4. If a goroutine g1 is using a WaitGroup wg to wait until another goroutine g2 completes a task, what method of the the WaitGroup should be called when g2 has finished the task? — 1 / 1 point

- wg.Done() ✓
- wg.End()
- wg.Finished()
- wg.Alarm()

Correct
Correct!

5. If a goroutine g1 is using a WaitGroup wg to wait until another goroutine g2 completes a task, what method of the the WaitGroup should be called *before* g2 starts its task? — 1 / 1 point

- wg.Fork()
- wg.Start()
- wg.Add() ✓
- wg.Begin()

Correct
Correct!

6. How might you write code to allow a goroutine to receive data from a channel c? — 1 / 1 point

- x <- c
- x = <- c ✓
- x = c
- x <-- c

Correct
Correct!

7. What is the difference between a buffered channel and an unbuffered channel? 1 / 1 point

- (●) A buffered channel can hold multiple objects until they are read. An unbuffered channel cannot.
- ( ) A buffered channel delays the transmission of data. An unbuffered channel does not.
- ( ) A buffered channel delays the reception of data. An unbuffered channel does not.
- ( ) A buffered channel can communicate between more than 2 goroutines. An unbuffered channel cannot.

**Correct**
Correct!