

# Week 4: Chapter 4 Quiz

Due Jan 28 at 11:59pm	Points 100	Questions 20	Time Limit None	Allowed Attempts 2
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Take the Quiz Again

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	16 minutes	90 out of 100

Score for this attempt: **90** out of 100  
Submitted Jan 25 at 4:28pm  
This attempt took 16 minutes.

Question 1

5 / 5 pts

A(n) condition-controlled loop causes a statement or set of statements to repeat as long as the condition is true.

Correct!

☒ true

☐ false

Question 2

5 / 5 pts

What type of loop structure repeats the code based on the value of Boolean expression?

Correct!

☒ condition-controlled loop

- ☐ number-controlled loop
- ☐ count-controlled loop
- ☐ Boolean-controlled loop

**Question 3****5 / 5 pts**

The acronym GIGO refers to the fact that the computer cannot tell the difference between good data and bad data.

**Correct!**

- ☒ true
- ☐ false

**Question 4****5 / 5 pts**

In Python, the variable in the for clause is referred to as the \_\_\_\_ because it is the target of an assignment at the beginning of each loop iteration.

**Correct!**

- ☒ target variable
- ☐ loop variable
- ☐ for variable
- ☐ count variable

**Question 5****5 / 5 pts**

When will the following loop terminate?

```
while keep_going != 999:
```

- ☐ when keep\_going refers to a value less than 999
- ☐ when keep\_going refers to a value greater than 999
- ☒ when keep\_going refers to a value equal to 999
- ☐ when keep\_going refers to a value not equal to 999

Correct!

### Question 6

0 / 5 pts

Which of the following is not an augmented assignment operator?

- ☐ \*=
- ☒ /=
- ☐ +=
- ☐ <=

You Answered

Correct Answer

### Question 7

5 / 5 pts

What type of loop structure repeats the code a specific number of times?

- ☐ condition-controlled loop

**Correct!**

- ☐ number-controlled loop
- ☒ count-controlled loop
- ☐ Boolean-controlled loop

**Question 8****5 / 5 pts**

A(n) input validation loop is sometimes called an error trap or an error handler.

**Correct!**

- ☒ true
- ☐ false

**Question 9****5 / 5 pts**

A variable used to keep a running total is called a(n)

**Correct!**

- ☒ accumulator
- ☐ total
- ☐ running total
- ☐ summer

**Question 10****5 / 5 pts**

A(n) \_\_\_\_ structure is a structure that causes a statement or a set of statements to execute repeatedly.

☐ sequence

☐ decision

☐ module

☒ repetition

Correct!

### Question 11

5 / 5 pts

To get the total number of iterations in a nested loop, add the number of iterations in the inner loop to the number in the outer loop.

☐ true

☒ false

Correct!

### Question 12

5 / 5 pts

In Python, you would use the for statement to write a count-controlled loop.

☒ true

☐ false

Correct!

**Question 13****5 / 5 pts**

The while loop is known as a(n) pretest loop because it tests the condition before performing an iteration.

**Correct!**☒ true☐ false**Question 14****5 / 5 pts**

What are the values that the variable num contains through the iterations of the following for loop?

for num in range(4):

☐ 1, 2, 3, 4☐ 0, 1, 2, 3, 4☐ 1, 2, 3**Correct!**☒ 0, 1, 2, 3**Question 15****5 / 5 pts**

A running total is a sum of numbers that accumulates with each iteration of the loop.

**Correct!**☒ true☐ false

**Question 16****5 / 5 pts**

Which of the following represents an example to calculate the sum of numbers (that is, an accumulator), given that the number is stored in the variable number and the total is stored in the variable total?

☐ total + number = total☐ number += number**Correct!**☒ total += number☐ total = number**Question 17****5 / 5 pts**

A sentinel is a special value that marks the end of a sequence of items.

**Correct!**☒ true☐ false**Question 18****5 / 5 pts**

The first operation is called the \_\_\_\_ and its purpose is to get the first input value that will be tested by the validation loop.

**Correct!**☒ priming read

- ☐ first input
- ☐ loop set read
- ☐ loop validation

**Question 19****5 / 5 pts**

What are the values that the variable num contains through the iterations of the following for loop?

for num in range(2, 9, 2):

- ☐ 2, 3, 4, 5, 6, 7, 8, 9
- ☐ 2, 5, 8
- ☒ 2, 4, 6, 8
- ☐ 1, 3, 5, 7, 9

**Correct!****Question 20****0 / 5 pts**

The range function is a built-in function that generates a list of integer values.

- ☐ true

**Correct Answer**

- ☒ false

**You Answered****Quiz Score: 90 out of 100**