Summing Up

- The lines of code that make up a function are called the function definition.
- A function parameter that is passed by a value is a local copy of the variable.
- A function parameter that is passed by a reference is a reference to the original variable.
- A global variable is declared outside a function and is available to all parts of your program.
- A local variable is declared inside a function and is only available within that function.
- The process of determining the order in which statements execute in a program is called decision making or flow control.

- The if statement is used to execute specific programming code if the evaluation of a conditional expression returns a value of TRUE.
- An if statement that includes an else clause is called an
 if...else statement. An else clause executes when the
 condition in an if...else statement evaluates to FALSE.
- When one decision-making statement is contained within another decision-making statement, they are referred to as nested decision-making structures.
- The switch statement controls program flow by executing a specific set of statements depending on the value of an expression.
- A loop statement is a control structure that repeatedly executes a statement or a series of statements while a specific condition is TRUE or until a specific condition becomes TRUE.
- A while statement tests a condition prior to executing a series of statements at each iteration of the loop.
- The do...while statement tests a condition after executing a series of statements.
- The for statement combines the initialization, conditional evaluation, and update portions of a loop into a single statement.
- The foreach statement is used to iterate or loop through the elements in an array.
- The include, require, include_once, and require_once statements insert the contents of an external file at the location of the statement.

Comprehension Check

- A(n) _____ allows you to treat a related group of PHP commands as a single unit.
 a. statement
 b. variable
 c. function
 d. event
- 2. Functions must contain parameters. True or False?
- Explain how to use a return statement to return a value to a statement that calls a function.

Call on the function to be retuned and echo'ed

4.	A variable that is declared outside a function is called a variable.					
	a. local					
	b. class					
	c. program					
	d. global					
5.	A local variable must be declared					
	a. before a function					
	b. after a function					
(within the braces of a function definition					
	d. with the local keyword					
6. 7.	tion by value versus by reference. Ref only refers to the value of a variable					
	<pre>a. if (\$MyVariable == 10);</pre>					
	echo "Your variable is equal to 10.";					
	b. if \$MyVariable == 10					
	echo "Your variable is equal to 10.";					
6	c. if (\$MyVariable == 10)					
	echo "Your variable is equal to 10.";					
	<pre>d. if (\$MyVariable == 10),</pre>					
	echo "Your variable is equal to 10.";					
8.	An if statement can include multiple statements provided that they					
	a. execute after the if statement's closing semicolon					
	b. are not contained within a command blockc. do not include other if statements					

are contained within a command block

9.	W	nich is the correct syntax for an else clause?
	a.	else (echo "Displayed from an else clause.";
4	b)	else echo "Displayed from an else clause.";
	c.	else "echo 'Displayed from an else clause.'";
	d.	else; echo "Displayed from an else clause.";
10.		e switch statement controls program flow by executing a cific set of statements, depending on
	a.	the result of an ifelse statement
	b.	the version of PHP being executed
	c.	whether an if statement executes within a function
((ل	the value returned by a conditional expression
11.	De	cision-making structur <u>es</u> cannot be nested. True or False?
12.	doe	nen the value returned by a switch statement expression es not match a case label, the statements within label execute.
	a.	exception
	<u>b.</u>]	else
	c.	error
	d.	default
13.		a can exit a switch statement using a(n)ement.
([a]	break
	b.	end
	c.	quit
	d.	complete
14.		th repetition of a looping statement is called
	a.	recurrence
(b	iteration
•	c.	duplication
	d.	reexecution

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15. Which of the following is the correct syntax for a while statement?
```

- 16. Counter variables ______. (Choose all that apply.)
 - a. can only be incremented
 - b. can only be decremented
 - c. can be incremented or decremented
 - d. do not change
- 17. Explain how an infinite loop is caused.

A conditional statement is never met

18. Which of the following is the correct syntax for a for statement?

```
a. for ($i = 0; $i < 10; ++$i)</li>
echo "Displayed from a for statement.";
b. for ($i = 0, $i < 10, ++$i)</li>
echo "Displayed from a for statement.";
c. for {
echo "Displayed from a for statement.";
} while ($i = 0; $i < 10; ++$i)</li>
d. for ($i = 0; $i < 10);</li>
echo "Displayed from a for statement.";
++$i;
```

CHAPTER 2 Functions and Control Structures

- 19. When is a for statement initialization expression executed?
 - a) when the for statement begins executing
 - b. with each repetition of the for statement
 - c. when the counter variable increments
 - d. when the for statement ends
- 20. The foreach statement can only be used with arrays. True or False?

True

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