### Starting Out with C++ Early Objects 9th Edition Gaddis Test Bank

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## Starting Out with C++: Early Objects, 9th ed. (Gaddis, Walters & Muganda) Chapter 2 Introduction to C++

Chapter 2 Test 1 Key

1) In a C++ program, two slash marks ( // ) indicate the beginning of
A) a block of code.
B) a comment.
C) a variable definition.
D) a program.
E) none of the above.
Answer: B
2) #include <iostream> is an example of a(n)</iostream>
A) comment.
B) I/O statement.
C) preprocessor directive.
D) stream directive.
E) compiler option.
Answer: C
3) True/False: C++ is a case-sensitive language.
Answer: TRUE
4) The is used to display information on the computer's screen.
A) < symbol
B) cin object
C) cout object
D) print object
E) output object
Answer: C
5) Which of the following will cause the next output to begin on a new line?
A) cout << endl;
B) cout << "endl";
C) cout << "/n";
D) All of the above
E) A and C, but not B
Answer: A
6) The directive causes the contents of another file to be inserted into a program.
A)#getfile
B) #library
C) #insert
D)#include
E) None of the above
Answer: D
7) True/False: A variable of the char data type can hold a set of characters like "January
Answer: FALSE
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8) You must have a(n) _____ for every variable you include in a program.
A) purpose
B) definition
C) comment
D) numeric value
E) output statement
Answer: B
9) Which of the following is/are valid C++ identifiers?
A) June-2010
B) June. 2010
C) June_2010
D) 2010June
E) Both C and D.
Answer: C
10) _____ are data items whose values cannot change while the program is running.
A) Literals
B) Variables
C) Fixed data
D) Integers
E) None of the above
Answer: A
11) True/False: The following two C++ statements perform the same operation.
   wages = regPay + overTime;
   regPay + overTime = wages;
Answer: FALSE
12) Which of the following definitions will allow the variable total to hold floating-point values?
A) float total;
B) double total;
C) auto total = 0.0;
D) All of the above
E) A and B, but not C
Answer: D
13) What value will be assigned to the variable number by the following statement?
    int number = 7.8;
A) 7
B) 8
C)7.8
D) None of the above.
E) It's unpredictable. That's the problem.
Answer: A
14) If number is an int variable, both of the following statements will print out its value:
    cout << number;</pre>
   cout << "number";</pre>
Answer: FALSE
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15) What value will be assigned to the variable number by the following statement?
int number = 7.8;
A) 7
B) 8
Ć) 7.8
D) None of the above.
E) It's unpredictable. That's the problem.
Answer: A
16) A C++ character literal is enclosed in quotation marks, whereas a string literal is enclosed in
quotation marks.
A) double, single
B) triple, double
C) open, closed
D) single, double
E) no, some
Answer: D
17) C++ automatically places at the end of a string literal.
A) a semicolon
B) quotation marks
C) the null terminator
D) a newline escape sequence
E) a blank
Answer: C
18) The bool data type
A) can be used to store a single character.
B) has only two values: true and false.
C) is used to store extra-large numbers.
D) is used to represent numbers in E notation.
E) does none of the above.
Answer: B
19) The expression 5 / 2 evaluates to
A) 1
B) 2
C) 2.5
D) 5.2
E) 10
Answer: B
20) The expression 5 % 2 evaluates to
A) 1
B) 2
C) 2.5
D) 5.2
E) 10
Answer: A

# Chapter 2 Test 2 Key

1) Every C++ program must have
A) comments.
B) variables.
C) literals.
D) a function called main
E) all of the above.
Answer: D
2) A is used to mark the end of a complete C++ programming statement.
A) comment
B) period
C) semicolon
D) closing brace
E) new line
Answer: C
3) Which of the following will cause the next output to begin on a new line?
A) cout << endl;
B) cout << "endl";
C) cout << "/n";
D) All of the above
E) A and C, but not B
Answer: A
4) In programming terms, a group of characters inside a set of double quotation marks (" ") is called
A) a character literal.
B) a string literal.
C) a character set.
D) none of the above.
E) any of the above.
Answer: B
5) True/False: The following two statements could be used interchangeably in a C++ program.
// Program Payroll
/* Program Payroll */
Answer: TRUE
6) A variable must be defined
A) in every program.
B) and initialized at the same time.
C) in order to perform output.
D) before it can be used.
E) in all of the above cases.
Answer: D

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7) True/False: The following statements both declare the variable num to be an integer.
    int num;
    INT num;
Answer: FALSE
8) Which of the following definitions will allow the variable average to hold floating-point values?
A) float average;
B) double average;
C) auto average = 0.0;
D) All of the above
E) A and B, but not C
Answer: D
9) What literal(s) appear in the following C++ statement?
    int number = 4 + 8;
A) number
B) 4
C) 8
D) 12
E) both B and C
Answer: E
10) Which of the following is/are valid C++ identifiers?
A) department 9
B) aVeryLongVariableName
C) last-name
D) All of the above.
E) Both A and B, but not C.
Answer: E
11) Which of the following keywords is/are the names of C++ data types?
A) short
B) long
C) double
D) bool
E) All of the above
Answer: E
12) _____ must be included in a program in order to use the cout object.
A) Opening and closing braces
B) The iostream header file
C) A cout declaration
D) Strings
E) None of the above
Answer: B
13) True/False: The following is a legal C++ statement to define and initialize a variable.
   char firstName = "Jack";
Answer: FALSE
```

14) A variable can hold only one of two values: true or false.
A) binary
B) single precision
C) T/F
D) char
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E) bool
Answer: E
15) True/False: If a variable is defined as int sum;
it may be written in the program code as sum or Sum, but not SUM.
Answer: FALSE
16) An operation that copies a value into a variable is called a(n) operation.
A) assignment
B) equals
C) copy
D) declaration
E) cout
Answer: A
Allswel. A
17) What value will be assigned to the variable number by the following statement?  int number = 3.75;
A) 3
B) 4
C) 3.75
D) None of the above.
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E) It's unpredictable. That's the problem.
Answer: A
18) True/False: The following two statements both assign the value 5 to the variable dept.
5 = dept;
dept = 5;
Answer: FALSE
10) The commercian 7 % 2 areductes to
19) The expression 7 % 2 evaluates to
A) 1
B) 3
C) 3.5
D) 7.2
E) 14
Answer: A
20) The expression 7 / 2 evaluates to
A) 1
B) 3
C) 3.5
D) 7.2
E) 14
Answer: B

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## Chapter 2 Test 1

<ol> <li>In a C++ program, two slash marks ( // ) indicate the beginning of</li> <li>A) a block of code.</li> <li>B) a comment.</li> <li>C) a variable definition.</li> <li>D) a program.</li> <li>E) none of the above.</li> </ol>
2) #include <iostream> is an example of a(n) A) comment. B) I/O statement. C) preprocessor directive. D) stream directive. E) compiler option.</iostream>
3) True/False: C++ is a case-sensitive language.
4) The is used to display information on the computer's screen.  A) < symbol  B) cin object  C) cout object  D) print object  E) output object
5) Which of the following will cause the next output to begin on a new line?  A) cout << endl;  B) cout << "endl";  C) cout << "/n";  D) All of the above  E) A and C, but not B
6) The directive causes the contents of another file to be inserted into a program.  A) #getfile B) #library C) #insert D) #include E) None of the above
7) True/False: A variable of the char data type can hold a set of characters like "January"

8) You must have a(n)	_ for every variable you include in a program.
A) purpose	
B) definition	
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109147 - 0.01111110	
12) Which of the following defi	nitions will allow the variable total to hold floating-point values?
A) float total;	0 1
B) double total;	
C) auto total = 0.0;	
D) All of the above	
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13) What value will be assigned int number = 7.8;	d to the variable number by the following statement?
A) 7	
B) 8	
C) 7.8	
D) None of the above.	
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cout << number;	,
cout << "number";	

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D) 5.2
E) 10
20) The expression 5 % 2 evaluates to
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A) 1
B) 2
C) 2.5
D) 5.2
E) 10

#### Chapter 2 Test 2

1) Every C++ program must have A) comments. B) variables. C) literals. D) a function called main.. E) all of the above. 2) A \_\_\_\_\_\_ is used to mark the end of a complete C++ programming statement. A) comment B) period C) semicolon D) closing brace E) new line 3) Which of the following will cause the next output to begin on a new line? A) cout << endl; B) cout << "endl"; C) cout << "/n";</pre> D) All of the above E) A and C, but not B 4) In programming terms, a group of characters inside a set of double quotation marks (" ") is called A) a character literal. B) a string literal. C) a character set. D) none of the above. E) any of the above. 5) True/False: The following two statements could be used interchangeably in a C++ program. // Program Payroll /\* Program Payroll \*/ 6) A variable must be defined A) in every program. B) and initialized at the same time. C) in order to perform output. D) before it can be used. E) in all of the above cases.

int num; INT num;
8) Which of the following definitions will allow the variable average to hold floating-point values?
A) float average;
<pre>B) double average; C) auto average = 0.0;</pre>
D) All of the above
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9) What literal(s) appear in the following C++ statement?
int number = 4 + 8;
A) number B) 4
C) 8
D) 12
E) both B and C
10) Which of the following is/are valid C++ identifiers?
A) department_9
B) aVeryLongVariableName
C) last-name
D) All of the above. E) Both A and B, but not C.
E) Both A and B, but not C.
11) Which of the following keywords is/are the names of C++ data types?
A) short
B) long
C) double D) bool
E) All of the above
12) must be included in a program in order to use the cout object.
A) Opening and closing braces
B) The iostream header file
C) A cout declaration
D) Strings
E) None of the above
Answer: B
13) True/False: The following is a legal C++ statement to define and initialize a variable.  char firstName = "Jack";

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	14) A	variable can hold only one of two values: true or false.			
	A) binary				
	B) single preci	sion			
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	it may be w	ritten in the program code as sum or Sum, but not SUM.			
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	B) equals				
	C) copy				
	D) declaration				
	E) cout				
	17) What value	e will be assigned to the variable number by the following statement?			
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	A) 3				
	B) 4				
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	D) None of the				
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