Capitulo 2

This activity contains 25 questions.

1.   *Section 2.2 First Program in C++: Printing a Line of Text*

2.2 Q1: End-of-line comments that should be ignored by the compiler are denoted using:

- ○ *A slash and two stars (/**).*
- ○ *Three forward slashes (///).*
- ○ *Two forward slashes (//).*
- ○ *A slash and a star (/*).*

2.   *2.2 Q2: Which of the following does not cause a syntax error to be reported by the C++ compiler?*

- ○ *Missing ; at the end of a statement.*
- ○ *Extra blank lines.*
- ○ *Missing */ in a comment.*
- ○ *Mismatched {}.*

3.   *2.2 Q3: Which of the following is not a syntax error?*

- ○ *std::cout << 'Hello world! ';*
- ○ *std::cout << "Hello world! ";*
- ○ *std::cout << "Hello*

                        `world! ";`

- ○ *std::cout << Hello world!;*

4.   *2.2 Q4: The escape sequence for a newline is:*

- ○ *\n*
- ○ *\t*
- ○ *\a*
- ○ *\r*

5. *2.2 Q5: Which of the following statements would display the phrase C++ is fun?*

○   *std::cout << "\"C++ is fun\"";*

○   *std::cout << '++ is fun';*

○   *std::cout << "Thisis fun\rC++ ";*

○   *std::cout << C++ is fun;*

6. *Section 2.3 Modifying Our First C++ Program*

2.3 Q1: Which of the following is not a valid C++ identifier?

○   *my Value*

○   *width*

○   *m_x*

○   *_AAA1*

7. *2.3 Q2: Which is the output of the following statements?*

std::cout << "Hello ";
std::cout << "World";

○   *Hello World*

○   *Hello*
     World

○   *World Hello*

○   *World*
     Hello

8. *2.3 Q3: Which of the following characters is the escape character?*

○   **

○   ***

○   *\n*

○   *"*

9. *2.3 Q4: Which of the following code segments prints a single line containing hello there with the words separated by a single space?*

○   *std::cout << "hello" , " there";*

   ○   *std::cout << "hello ";*
       std::cout << " there";

   ○   *std::cout << "hello";*
       std::cout << "there";

   ○   *std::cout << "hello";*
       std::cout << " there";

10.

Section 2.4 Another C++ Program: Adding Integers

2.4 Q1: Which of the following is a variable declaration statement?

   ○   *// first string entered by user*

   ○   *int main()*

   ○   *#include*

   ○   *int total;*

11.

2.4 Q2: A(n) _____ enables a program to read data from the user.

   ○   *std::cout.*

   ○   *std::cin.*

   ○   *main declaration.*

   ○   *return statement.*

12.

2.4 Q3: The assignment operator _____ assigns the value of the expression on its right to the variable on its left.

   ○   *<-.*

   ○   *=.*

   ○   *#.*

   ○   *->.*

13.

2.4 Q4: The std::endl stream manipulator:

   ○   *flushes the output buffer.*

   ○   *outputs a newline and flushes the output buffer.*

   ○   *terminates the program.*

   ○   *outputs a newline.*

14.

Section 2.5 Memory Concepts

2.5 Q1: Which of the following statements does not overwrite a preexisting value stored in a memory location?

- ○ *number = 12;.*
- ○ *width = length;.*
- ○ *y = y + 2;.*
- ○ *int a;.*

15.

2.5 Q2: Which of the following statements could potentially change the value of number2?

- ○ *sum = number1 + number2;*
- ○ *std::cin >> number2;*
- ○ *std::cout << number2;*
- ○ *number1 = number2;*

16.

Section 2.6 Arithmetic

2.6 Q1: What is the value of result after the following C++ statements execute?

int a, b, c, d, result;
a = 4;
b = 12; c = 37;
d = 51;
*result = d % a * c + a % b + a;*

- ○ *51.*
- ○ *119.*
- ○ *59.*
- ○ *127.*

17.

*2.6 Q2: List the following operators in the order that they will be evaluated: -, *, /, +, %. Assume that if two operations have the same precedence, the one listed first will be evaluated first.*

- ○ *-, *, %, +, /.*
- ○ *+, -, /, *, %*
- ○ *-, +, %, *, /.*
- ○ **, /, %, -, +.*

18. *2.6 Q3: Which of the following is not an arithmetic operator?*

○ %

○ =

○ +

○ -

19. *Section 2.7 Decision Making: Equality and Relational Operators*

2.7 Q1: What will be the output after the following C++ statements have been executed?

```
int a, b, c, d;
        a = 4;
        b = 12;
        c = 37;
        d = 51;

    if ( a < b )
        cout << "a < b";

    if ( a > b )
        cout << "a > b";

    if ( d <= c )
        cout << "d <= c";

    if ( c != d )
        cout << "c != d";
```

○ a > b
  c != d

○ a < b
  d <= c
  c != d

○ a < b
  c != d

○ a < b
  c < d
  a != b

20. *2.7 Q2: Which of the following is never a compilation error?*

○ *Neglecting to declare a local variable in a function before it is used.*

○ *Placing a semicolon at the end of the first line of an if statement.*

○ *Omitting the left and right parentheses for the condition of an if statement.*

○ *Using a single equals sign instead of a double equals sign in the condition of an if statement.*

21. *2.7 Q3: Each of the following is a relational or equality operator except:*

○ >

○ =!

○ ==

○ <=

22. *Section 2.8 (Optional) Software Engineering Case Study: Examining the ATM Requirements Document*

2.8 Q1: The use case diagram models _____.

○ *each software life cycle by repeating one or more stages several times via use cases.*

○ *the interactions between implementations and testing.*

○ *the interactions between a system's client and the system.*

○ *each software life cycle stage in succession.*

23. *2.8 Q2: Which of the following is not an actor of the ATM system?*

○ *A user who provides requirements for building the ATM system.*

○ *A user who withdraws cash from the ATM.*

○ *A user who views an account balance.*

○ *A user who deposits funds into the ATM.*

24. *2.8 Q3: Which diagram models system structure?*

○ *Class diagram.*

○ *State machine diagram.*

○ *Sequence diagram.*

○ *Activity diagram.*

25.   *2.8 Q4: Which diagram is also called a collaboration diagram?*

○ *Sequence diagram.*

○ *State machine diagram.*

○ *Activity diagram.*

○ *Communication diagram.*

(Clear Answers / Start Over)   (Submit Answers for Grading)

Answer choices in this exercise appear in a different order each time the page is loaded.