CS0007: Quiz #2

Name:  

Instructions

Write the MOST CORRECT answer for the following questions in the space provided. For example: If “A” and “C” are both correct, and “D” is “both A and C”, then answering “D” will get you credit. Answering “A” or “C” will get you NO credit.

1) What operators determine whether a specific relationship exists between two values?
   A. Arithmetic operators
   B. Logical operators
   C. Relational operators
   D. Combination operators
   E. Ternary operators

2) What executes statements only when a certain condition is met?
   A. Sequence structure
   B. Decision structure
   C. Logical structure
   D. Execution structure
   E. Relational structure

3) What type of expression is either true or false?
   A. Arithmetic expression
   B. Loop expression
   C. Initialization expression
   D. Boolean expression
   E. None of the above
4) **A** What is enclosing one structure inside of another?
   A. Nesting
   B. Enclosure
   C. Zoning
   D. Looping
   E. Inserting

5) **B** What operators either change the value of a boolean expression or combine two boolean expressions.
   A. Arithmetic operators
   B. Logical operators
   C. Relational operators
   D. Combination operators
   E. Ternary operators

6) **D** If both \( x \) and \( y \) are string variables \( x == y \) compares what?
   A. The characters in their strings alphabetically
   B. The Unicode values of the characters in their strings
   C. The names of the variables
   D. The references the variables hold
   E. The length of the strings

7) **E** What class does the Java API provide that allows us to format a floating-point number in a specific way?
   A. FloatFormat
   B. NumberFormat
   C. JavaFormat
   D. DoubleFormat
   E. DecimalFormat
8) **A** What is a control structure that causes a statement or block of statements to repeat?
   A. Looping structure
   B. Decision structure
   C. Sequential structure
   D. Switch structure
   E. Arithmetic structure

9) **E** What is a loop that does not have a way of terminating its iteration, and thus will repeat indefinitely?
   A. Indefinite loop
   B. Forever loop
   C. Boundless loop
   D. Unending loop
   E. Infinite loop

10) **C** In Java, the `for` loop is what kind of loop?
    A. An infinite loop
    B. A conditionally-controlled loop
    C. A count-controlled loop
    D. A sentinel controlled loop
    E. Both C and D

11) **C** What expression is **NOT** an element of a `for` loop?
    A. Initialization expression
    B. Test expression
    C. Iteration expression
    D. Update expression
12) **B** Which of the following is **NOT** a pretest loop?

A. while loop  
B. do-while loop  
C. for loop  
D. Both B and C  
E. All are pretest loops

13) **E** What is a variable that keeps track of a running total?

A. A collection variable  
B. A sentinel variable  
C. An assembly variable  
D. An agglomeration variable  
E. An accumulator variable

14) **B** What is a special value that cannot be mistaken for normal input that signals that a loop should terminate?

A. A terminating value  
B. A sentinel value  
C. A keyword  
D. A counter value  
E. A stop value

15) **B** What keyword causes the current iteration of a loop to stop immediately?

A. break  
B. continue  
C. case  
D. final  
E. switch