

## 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)     **C**     **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)     **B**     **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)     **D**     **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) A  
or  
B **What keyword causes the current iteration of a loop to stop immediately?**

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