

CS0007: Quiz #1

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) **B** **When you execute the command: `javac sourceFile.java` (`sourcefile.java` is a Java source file), what is the result?**
- A. A traditional executable file
 - B. Java byte code
 - C. A file containing machine language
 - D. A compiler
 - E. Both B and C
- 2) **D** **Java is called an interpreted language because java programs need to be run by a program called what?**
- A. JCM
 - B. JMM
 - C. Java SDK
 - D. JVM
 - E. JCC
- 3) **A** **In Object Oriented Programming, what are the two major parts of an object?**
- A. Attributes and methods
 - B. A processor and memory
 - C. Input and output
 - D. Strings and integers
 - E. Floating-point numbers and integers

- 4) E **What is a standard library of prewritten classes for performing specific operations?**
- A. JPI
 - B. CSI
 - C. GCC
 - D. PPI
 - E. API
- 5) B **What are named storage locations in memory called?**
- A. Memory addresses
 - B. Variables
 - C. Allocations
 - D. Secondary storage
 - E. Values
- 6) B **What is the characteristic of variables that describe what legal values a variable can hold?**
- A. Name
 - B. Type
 - C. Kind
 - D. Value
 - E. Size
- 7) B **Which of the following is NOT an integer data type?**
- A. int
 - B. double
 - C. byte
 - D. short
 - E. long

- 8) C **What are built-in data types that are basic building blocks for all other types and DO NOT create objects?**
- A. Classes
 - B. Scopes
 - C. Primitive types
 - D. Integers
 - E. Keywords
- 9) D **The expression $20 / (-2 * 4)$ in Java would resolve to what?**
- A. 2.5
 - B. -2.5
 - C. 2
 - D. -2
 - E. None of the above
- 10) C **A value that is explicitly written in the code of the program is called what?**
- A. A variable
 - B. A constant
 - C. A literal
 - D. A data type
 - E. A number
- 11) A **Which type holds either true or false?**
- A. boolean
 - B. char
 - C. String
 - D. truth

- 12) A **Because Java is a strongly-typed language, what is true as a result?**
- A. Before a value is assigned to a variable, Java checks the types of the variable and the value being assigned to it to determine if they are compatible.
 - B. Java does not automatically convert from one type to another.
 - C. Java does not allow the programmer to manually convert from one type to another.
 - D. You cannot have an expression with both integer and floating-point types.
 - E. You cannot have mixed-integer expressions.
- 13) C **What is converting a value to a lower-ranked type called?**
- A. Replacement conversion
 - B. Widening conversion
 - C. Narrowing conversion
 - D. Illegal in Java
 - E. None of the above are correct
- 14) D **Which of the following types is actually a class in Java?**
- A. `int`
 - B. `double`
 - C. `float`
 - D. `String`
 - E. `long`
- 15) E **What term refers to where in a program an entity can be accessed by name?**
- A. Visibility
 - B. Color
 - C. Value
 - D. Constancy
 - E. Scope