## CS0007: Quiz #4

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## **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.

- What is it called when you write multiple methods in the same class with the same

  1) B name, but accept different types of parameters?
  - A. Overriding
  - B. Overloading
  - C. Overwriting
  - D. Overtaking
  - E. Overfilling
- 2) C A method's signature consists of what two things?
  - A. Its return type and types of its parameters
  - B. Its return type and name
  - C. Its name and types of its parameters
  - D. Its types of the arguments passed to it and the types of its parameters
  - E. Its types of the arguments passed to it and return type
- 3) E Hiding an attribute with a local variable is known as what?
  - A. Data Hiding
  - B. Cloaking
  - C. Obscuring
  - D. Suppressing
  - E. Shadowing

	A.	An object
	В.	An API
	C.	A collection
	D.	A package
	E.	A container
5)	Α	Java's ArrayList is a combination of what two data structures?
	Α.	Array and Linked List
	В.	Array and Skip List
	C.	Array and Binary Tree
	D.	Binary Tree and Skip List
	E.	Queue and Linked List
6)	D	Which of the following is an advantage of the ArrayList data structure?
	A.	You can find an element by its value in constant time.
	В.	You can access any element by its index.
	C.	You can add and remove elements from it.
	D.	Both B and C
	E.	None of the above
7)	<u>E</u>	To add an item to the end of an ArrayList, and to insert an item into the ArrayList at a given index which methods do you use?
	A.	add and insert
	В.	append and insert
	C.	add <b>and</b> set
	D.	Two overloaded methods named insert
	E.	Two overloaded methods named add

D A group of related classes is called what?

4)

8)	С	program must do what?
	A.	Save its data in variables
	В.	Save its data to main memory
	C.	Save its data to secondary storage
	D.	Save its data to a database
	E.	It doesn't need to do anything
9)	В	In class we discussed methods to save data in what kind of file?
	A.	Data file
	В.	Text file
	C.	Database file
	D.	SQL file
	E.	Executable file
10)	С	Which is NOT a class that we discussed for file input and output in this course?
10)	<b>C</b> A.	Which is NOT a class that we discussed for file input and output in this course?  Scanner
10)		
10)	Α.	Scanner
10)	A. B.	Scanner PrintWriter
10)	A. B. C.	Scanner PrintWriter TextWriter
10)	A. B. C. D.	Scanner PrintWriter TextWriter FileWriter
10)	A. B. C. D.	Scanner PrintWriter TextWriter FileWriter
	A. B. C. D.	Scanner PrintWriter TextWriter FileWriter File
	A. B. C. D. E.	Scanner  PrintWriter  TextWriter  FileWriter  File  Writing to the end of a file is called what?
	A. B. C. D. E.	Scanner PrintWriter TextWriter FileWriter File Writing to the end of a file is called what? Amending
	A. B. C. D. E.	Scanner PrintWriter TextWriter FileWriter File Writing to the end of a file is called what? Amending Appending
	A. B. C. D. E.  B A. B. C.	Scanner PrintWriter TextWriter FileWriter File Writing to the end of a file is called what? Amending Appending Annealing

In order for a program to save data for use when the program is not running, the

12)	E	when you give a file's name as an argument, what are you actually giving
	A.	The entire path to the file, if specified
	В.	The name of the file in which to read and write
	C.	If just the name is given, the path to the directory in which it was compiled
	D.	None of the above
	E.	All of the above
13)	Α	What are methods called that call themselves?
	A.	Recursive methods
	В.	Repeating methods
	C.	Main methods
	D.	Constructor methods
	E.	Static methods
14)	С	A method that calls itself will keep calling itself unless it has what?
•	A.	A control case
	В.	A repeated case
	C.	A base case
	D.	A return statement
	E.	A break statement
15)	В	Some problems can ONLY be solved recursively.
	A.	True
	В.	False

When you give a file's name as an argument, what are you actually giving?