

CSA Quarter 1 (1 of 3)

Started: Oct 10 at 1:27pm

Quiz Instructions

2 attempts

Best score

This Practice is NOT comprehensive; the Midterm is NOT a subset of this Practice.

Question 1

100 pts

A class is not an object. It is a description of an object.

☒ True

☐ False

Question 2

100 pts

The public access specifier for a field indicates that the field may not be accessed by statements outside the class.

☒ False

☐ True

Question 3

100 pts

When a local variable in an (instance) method has the same name as an (instance) field, the field hides the local variable.

☒ False☐ True**Question 4****100 pts**

The scope of a public instance field is _____.

- ☐ inside the parentheses of a method header
- ☐ inside the class but not inside any method
- ☒ the instance methods and methods outside the class
- ☐ only the class in which it is defined

Question 5**100 pts**

What is an object?

- ☐ Any input to a method.
- ☐ A sequence of instructions.
- ☒ An entity in your program that is manipulated by calling methods.
- ☐ Any value stored in a variable.

Question 6**100 pts**

What is the name of the file that contains the Java source code for the public class `HelloPrinter`?

- ☐ `HelloPrinter.txt`

- ☐ HelloPrinter
- ☒ HelloPrinter.java
- ☐ HelloPrinter.class

Question 7**100 pts**

Input to a method, enclosed in parentheses after the method name, is known as

_____.

- ☐ implicit parameters
- ☐ interfaces
- ☒ arguments/parameters
- ☐ return values

Question 8**100 pts**

When an argument is passed to a method _____.

- ☐ its value may be changed within the called method
- ☒ its value is copied into the method's parameter variable
- ☐ Both (a) and (b) are correct.
- ☐ Neither (a) nor (b) are correct.

Question 9**100 pts**

Variables of the `boolean` data type are useful for

_____.

- ☐ evaluating scientific notation
- ☐ working with very large integers
- ☐ working with small integers
- ☒ evaluating conditions that are either true or false

Question 10**100 pts**

Who or what is responsible for inspecting and testing the program to guard against logic errors?

- ☐ user/customer
- ☐ compiler
- ☒ programmer
- ☐ JVM

Question 11**100 pts**

Write the signature for a no-args constructor of class `Player`.

- ☐ `private void Player()`
- ☐ `public int Player()`
- ☒ `public Player()`
- ☐ `private int Player()`
- ☐ `public void Player()`

Question 12**100 pts**

In Java, _____ must be declared before they can be used.

- ☐ comments
- ☒ variables
- ☐ key words
- ☐ literals

Question 13

100 pts

Which one of the following memory types provides storage that persists ***without*** electricity?

- ☒ Secondary storage
- ☐ Memory aka RAM aka primary storage
- ☐ Neither memory nor secondary storage
- ☐ Both memory nor secondary storage

Question 14

100 pts

If `x` has been declared an `int`, which of the following statements is invalid?

- ☒ `x = 1,000;`
- ☐ `x = 0;`
- ☐ `x = 592`
- ☐ `x = -59832;`

Question 15

100 pts

What would be displayed as a result of executing the following code?

```
final int x = 22, y = 4;  
y += x;  
System.out.println("x = " + x + ", y = " + y)
```

- ☒ Nothing. There is an error in the code.
- ☐ x = 22, y = 4
- ☐ x = 22, y = 26
- ☐ x = 22, y = 88

Question 16

100 pts

In a @return tag statement the description _____.

- ☐ describes the parameter values
- ☐ cannot be longer than one line
- ☐ must be longer than one line
- ☒ describes the return value

Question 17

100 pts

What would be printed out as a result of the following code?

```
System.out.println("The quick brown fox" +  
                  "jumped over the \n"  
                  "slow moving hen.");
```

- ☐ The quick brown fox jumped over the \nslow moving hen.
- ☐ The quick brown fox jumped over the
slow moving hen.

☒ Nothing - this is an error

☐ The quick brown fox
jumped over the
slow moving hen.

Question 18

100 pts

Which operator constructs objects?

☒ `new`

☐ `instanceof`

☐ `construct`

☐ `void`

Question 19

100 pts

The value calculated by a method is called its _____ value.

☒ `return`

☐ `implicit`

☐ `explicit`

☐ `argument`

Question 20

100 pts

What is the result of the following expression?

`17 % 3 * 2 - 12 + 15`

☐ 105☒ 7☐ 8☐ 12**Question 21****100 pts**

Application software refers to

- ☒ the programs that make the computer useful to the user
- ☐ key words
- ☐ the operating system
- ☐ pseudocode

Question 22**100 pts**

You should always document a method by writing comments that appear _____.

- ☒ just before the method's definition
- ☐ at the end of the file
- ☐ only if the method is more than five lines long
- ☐ just after the method's definition

Question 23**100 pts**

Local variables can be initialized with _____.

- ☐ parameter values
- ☒ Any of these.
- ☐ constants
- ☐ the result of an arithmetic operation

Question 24**100 pts**

Which of the following statements is invalid?

- ☐ `double r = 9.4632e15;`
- ☐ `double r = 326.75;`
- ☐ `double r = 9.4632E15;`
- ☒ `double r = 2.9X106;`

Question 25**100 pts**

Which of the following is true about constructors?

- I. Providing a constructor for a class is optional.
- II. You can only provide one constructor for a class.
- III. The body of the constructor must initialize all instance variables, or the constructor will not successfully compile.
- IV. A constructor has a `void` return type.

- ☐ III only
- ☐ All I, II, and III
- ☐ II only
- ☒ I only
- ☐ I and II only

Quiz saved at 3:45pm

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