Ch 5 Review - book problems

Wednesday, January 16, 2013 9:35 AM

*Note: when these questions mention 'aliases', that ${\sf m}$	leans two object variables that reference the same object
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multiple choice

- 5.1 The this reference refers to
 - (a.) he currently executing object
 - b. the first parameter in a method
 - c. the current class
 - d. a reference that doesn't point to any object
 - e. the object that called the current method
- 5.2 Which of the following should be used for an object reference variable that does not refer to any object?
 - a. this
 - b. static
 - c. null
 - d. 0
 - e. -1
- 5.3 Which of the following expressions can be used to test whether two objects, o1 and o2, are aliases of each other?

- b. ol.equals(o2)
- c. o2.equals(o1)
- d.ol.compareTo(o2) == 0
- e. o1.compareTo(o2) != 0
- 5.4 Which of the following reserved words is used in the class header of a class that implements an interface?
 - a. interface
 - b. implements
 - c. abstract
 - d. void
 - e. final
- 5.5 Which of the following is often static?
 - a. local variables
 - b. all instance variables
 - c. parameters to methods
 - d. object reference variables
 - e. constants

public state find PI = 3. 14159;

- 5.7 A class that implements an interface must implement which methods of the interface?
 - a. only those that return a value
 - b. only those that are not abstract
 - c. only those that are marked with the word "required"
 - d. the class is not required to implement any methods
 - e. all methods must be implemented
- 5.8 Given the declarations

```
String s1 = "James Gosling";
String s2 = "James Gosling";
```

which of the following statements is true?

a \$1 and \$2 are aliases of each other

b. s1 == s2 is true

to \$1 < \$2 because capital letters come before lowercase in the Unicode character set

d. sl.equals(s2) is true

- e. s1 and s2 are the same because they have the same number of
- 5.9 A method that does not have an implementation
 - a. is not allowed by the Java compiler
 - b. takes no parameters and returns the integer 0
 - c. is a static method
 - d. is a null method
 - e, is an abstract method
- 5.10 What is output by the following code?

```
String word1 = "blue";
String word2 = "red";
String word3 = "green";
word2 = word3;
word1 = word3;
word3 = word1;
System.out.println(word1 + " " + word2 + " " + word3);
```

- a. blue red green
- b. green green blue
- c. blue blue blue
- d. green green green
- e. red red blue



