Kent Kraus Courses@CS CS Department csX Lab Faculty Office Hours Course Archives Home ► My courses ► Spring 2018 ► CS6312 [S18] [N] ► Inheritance (Ch 11) ► Q02



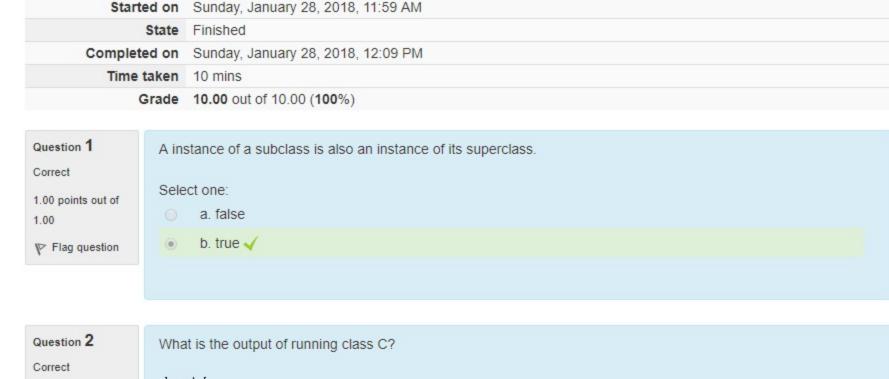
Correct

Correct

1.00

Question 9





```
class A {
1.00 points out of
                       public A() {
1.00
                         System.out.println(
                           "The default constructor of A is invoked");
Flag question
                     }
                     class Bextends A {
                       public B() {
                         System.out.println(
                           "The default constructor of B is invoked");
                     public class C {
                       public static void main(String[] args) {
                         Bb = new B();
                     }
                     Select one:
                            a. "The default constructor of B is invoked" "The default constructor of A is invoked"
                            b. "The default constructor of B is invoked"
                            c. "The default constructor of A is invoked" "The default constructor of B is invoked" 

                            d. Nothing displayed
                            e. "The default constructor of A is invoked"
```

Question 3 Which of the following is incorrect? Correct Select one: 1.00 points out of a. A constructor may invoke a static method. 1.00 b. A constructor invokes its superclass no-arg constructor by default if a constructor does not invoke an Flag question overloaded constructor or its superclass's constructor. c. A constructor may invoke an overloaded constructor. d. A constructor may be private. e. A constructor may be static. < Question 4 In OOP, you declare a class that extends another class. This is called

Select one: 1.00 points out of a. inheritance 1.00 b. abstraction Flag question c. polymorphism d. encapsulation Question 5 Consider the following declaration for a class A. Correct class A { 1.00 points out of private int x; 1.00 private int y; Flag question public A(int x, int y) {

this.x = x;this.y = y;Class B is a subclass of A. Which of the following can be constructors in B? public B() { public B(int x, int y) { super(x, y); public B() { super(0, 0);public B(int x, int y) { this.x = x; this.y = y;Select one or more: a. II 🗸 b. I c. IV X d. III 🗸 Object-oriented programming allows you to derive new classes from existing classes. This is called

Question 6 Correct Select one: 1.00 points out of a. inheritance 1.00 b. generalization Flag question c. abstraction d. encapsulation Question 7 Analyze the following code:

public class Test extends A { 1.00 points out of public static void main(String[] args) { Test t = new Test(); t.print(); Flag question class A { String s; A(Strings) { this.s = s; public void print() { System.out.println(s); Select one or more: a. The program does not compile because Test does not have a default constructor Test(). b. The program compiles, but it has a runtime error due to the conflict on the method name print. c. The program would compile if a default constructor A(){} is added to class A explicitly. ✓ d. The program has an implicit default constructor Test(), but it cannot be compiled, because its super class does not have a default constructor. The program would compile if the constructor in the class A were removed. <

Question 8 The order in which modifiers appear before a class or a method is important. Correct Select one: 1.00 points out of a. true b. false Flag question

Correct Select one: 1.00 points out of a. true 1.00 b. false 🗸 Flag question

Question 10 Given two reference variables t1 and t2, if t1.equals(t2) is true, t1 == t2\_ Correct Select one: 1.00 points out of a. may be true or false 1.00 b. is always true Flag question c. is always false

Superclasses contain more features than their subclasses.