

CS6312: Program Construction II [S18]

Home ▶ My courses ▶ Spring 2018 ▶ CS6312 [S18] [N] ▶ Inheritance (Ch 11) ▶ Q02

QUIZ NAVIGATION

1

2

3

4

5

6

7

8

9

10

Show one page at a time

Finish review

Started on	Sunday, January 28, 2018, 11:18 AM
State	Finished
Completed on	Sunday, January 28, 2018, 11:28 AM
Time taken	9 mins 32 secs
Grade	8.00 out of 10.00 (80%)

Question 1

Correct

1.00 points out of 1.00

Flag question

Which of the statements regarding the super keyword is incorrect?

Select one:

- ☒ a. You can use super.super.p to invoke a method in superclass's parent class. ✓
- ☐ b. You can use super to invoke a super class constructor.
- ☐ c. You can use super to invoke a super class method.
- ☐ d. You cannot invoke a method in superclass's parent class.

Question 2

Correct

1.00 points out of 1.00

Flag question

Inheritance means _____.

Select one:

- ☒ a. that a class can extend another class ✓
- ☐ b. that data fields should be declared private
- ☐ c. that a class can contain another class
- ☐ d. that a variable of supertype can refer to a subtype object

Question 3

Correct

1.00 points out of 1.00

Flag question

Encapsulation means _____.

Select one:

- ☐ a. that a class can contain another class
- ☐ b. that a variable of supertype can refer to a subtype object
- ☒ c. that data fields should be declared private ✓
- ☐ d. that a class can extend another class

Question 4

Correct

1.00 points out of 1.00

Flag question

In OOP, you declare a data fields to be private. This is called _____.

Select one:

- ☐ a. polymorphism
- ☐ b. inheritance
- ☐ c. abstraction
- ☒ d. encapsulation ✓

Question 5

Correct

1.00 points out of 1.00

Flag question

Which of the following statements are true?

Select one or more:

- ☒ a. A method in a subclass can overload a method in the superclass. ✓
- ☐ b. If a method overloads another method, these two methods must have the same signature.
- ☐ c. A method can be overridden in the same class.
- ☒ d. A method can be overloaded in the same class. ✓
- ☒ e. If a method overrides another method, these two methods must have the same signature. ✓

Question 6

Correct

1.00 points out of 1.00

Flag question

A instance of a subclass is also an instance of its superclass.

Select one:

- ☐ a. false
- ☒ b. true ✓

Question 7

Partially correct

0.50 points out of 1.00

Flag question

Which of the following statements are true?

Select one or more:

- ☒ a. "class A extends B" means B is a subclass of A. ✗
- ☐ b. A subclass is a subset of a superclass.
- ☐ c. "class A extends B" means A is a subclass of B.
- ☒ d. A subclass is usually extended to contain more functions and more detailed information than its superclass. ✓

Question 8

Correct

1.00 points out of 1.00

Flag question

The order in which modifiers appear before a class or a method is important.

Select one:

- ☐ a. true
- ☒ b. false ✓

Question 9

Incorrect

0.00 points out of 1.00

Flag question

Given two reference variables t1 and t2, if t1.equals(t2) is true, t1 == t2 _____.

Select one:

- ☒ a. is always true ✗
- ☐ b. may be true or false
- ☐ c. is always false

Question 10

Partially correct

0.50 points out of 1.00

Flag question

Analyze the following code:

```
public class A extends B {  
}  
  
class B {  
    public B(Strign s) {  
    }  
}
```

Select one or more:

- ☐ a. The program has a compilation error because the default constructor of A invokes the default constructor of B, but B does not have a default constructor.
- ☐ b. The program has a compilation error because A does not have a default constructor.
- ☐ c. The program would compile fine if you add the following constructor into A: A(String s) { }
- ☒ d. The program would compile fine if you add the following constructor into A: A(String s) { super(s); } ✓

Finish review