Java 111 Chapter 8 (from version 1)

Total Questions: 17

Most Correct Answers: **#1**

Least Correct Answers: **#3**

1. An abstract class can only have abstract methods.

1/4 (A) True

2/4 (B) False

2. When you don't want a class to be instantiated (in other words, you don't want anyone to make a new object of that class type) mark the class with the "abstract" keyword.

2/4 (A) True

0/4 (B) False

3. Which of the following are true?

1/4 (A) An interface must be created using the keyword "abstract".

1/4 (B) An interface defines only abstract methods.

1/4 (C) A class can implement multiple interfaces.

2/4 (D) All interface methods are implicitly public.

4. All objects come out of an Arraylist<Object> as type Object, unless you use a cast.

2/4 (A) True

0/4 (B) False

5. Multiple inheritance is allowed in Java, meaning you may extend multiple classes.

0/4 (A) True

2/4 (B) False

6. If you override a superclass method in a subclass, you cannot invoke (call) the superclass method.

0/4 (A) True

2/4 (B) False

7. You can extend only one class (i.e. you can have only one immediate superclass).

2/4 A True

0/4 B False

8. Write an abstract method called eatCake that accepts one parameter for the number of slices to eat and returns a String.

Anon anon3889b6418b404cfe

✗ public abstract String eatCake(int numberOfSlices) {};

Anon anonf0b3f17f62b34f37

✗ public String eatCake(int slices);

9. Given the following: JavaRockStar rockstar = new JavaRockStar(); what is the object reference variable?

1/4 A JavaRockStar

0/4 B new

1/4 C rockstar

0/4 D none of the above

10. Given the following: JavaRockStar rockstar = new JavaRockStar(); what is the object reference type?

2/4 A JavaRockStar

0/4 B new

0/4 C rockstar

0/4 D none of the above

11. Given the following: SuperStarCoder rockstar = new JavaRockStar(); what is the object reference type?

0/4 A JavaRockStar

0/4 B rockstar

2/4 C SuperStarCoder

0/4 D new

0/4 E none of the above

12. Given the following: SuperStarCoder rockstar = new JavaRockStar(); what is the actual object type?

2/4 (A) JavaRockStar

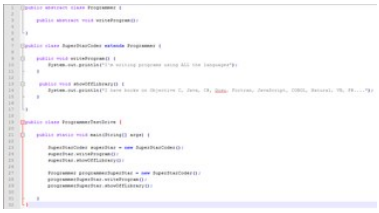
0/4 (B) rockstar

0/4 (C) SuperStarCoder

0/4 (D) new

0/4 (E) none of the above

13. Given the following, what output do you expect?



0/4 (A) Line 10 and 14 will each run twice.

0/4 (B) Line 10 will run twice, line 14 will run once.

0/4 (C) This will not compile due to line 29.

1/4 (D) This will not compile due to line 27.

0/4 (E) None of the above

14. What is the proper way to create an interface called Payable?

1/4 (A) public abstract interface class Payable {}

0/4 (B) public abstract Payable {}

0/4 (C) public abstract interface class Payable extends Payable {}

0/4 (D) public interface Payable {}

0/4 (E) interface PayMe() extends Money implements Payable()

15. A class must extend a superclass before it can implement an interface.

0/4 (A) True

1/4 (B) False

16. If a class does not pass the IS-A test, it probably should not extend anything (other than Object).

1/4 (A) True

0/4 (B) False

17. An interface is a 100% abstract class, meaning it defines only abstract methods.

1/4 A True

0/4 B False