

Java 111 Final Exam Review (from version 1)

Total Questions: 28

Most Correct Answers: #28

Least Correct Answers: #19

- 1. Instance variables are variables declared inside a method or method parameter.
- **2/13** (A) True
- 0/13 (B) True only in an interface
- 0/13 (c) True only in an abstract class
- 11/13 Palse
 - 2. In the code example below, which is the object reference variable?
- **0/13** (A) Duck()
- **0/13** (B) 24
- 13/13 C d
- **0/13** (E) Duck
 - 3. In the code example below, where will the Duck object live?
- 11/13 A Heap
- **2/13** (B) Stack
- **0/13** (c) Frame

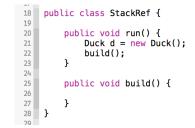
public class StackRef {
 public void run() {
 build();
 }
 public void build() {
 Duck d = new Duck(24);
 }

public class StackRef {

public void run() {
 build();

public void build() {

- 4. The currently executing method is the one on the bottom of the stack.
- **1/13** (A) True
- **12/13** B False
- 5. In the code example below, how long will "d" live on the stack?
- 9/13 A Until run() pops off the stack
- 2/13 (B) Until build() is added to the top of the stack
- 2/13 (c) Until build() pops off the stack
- 0/13 D Until d is garbage collected



- 6. Which of the following are true?
- A constructor is the code that runs when somebody says "new" on a class type, like this: Duck d = new Duck();
- 12/13 B A constructor must have the same name as the class and no return type



12/13 The default constructor created by the compiler has no arguments.

- 7. Constructors cannot be overloaded.
- 2/13 A True
 11/13 B False
 - 8. A constructor on an object's parent must run when you make a new object.
- 9/13 A True 4/13 B False
 - 9. Type the code that should appear on line 7 to call the Duck's single arg constructor with a parameter of 14.

Anon anon078c90873da74dd7

2 public class Duck extends Animal {
 int size;
 public Duck() {
 public Duck(int newSize) {
 size = newSize;
 }

x size(14);
 Anon anon1efc3a600a10437e
 x this.Duck(14);

Anon anon29632b75fdaa43d3

this(14);

Anon anon66f2125bd8374481

this(14);

Anon anon7c9f795df51a4e04

X this(14)

Anon anon88396baf770b4b30

X size.

Anon anon95166b4e77364ec0

 \times Duck size = new Duck(14);

Anon anone32f90af23cd4ba7

X super();

Anon anone8d48a36edf24991

this(14);

Anon anonf0818d982dab48db

X Duck(14);

Anon anonfa61e8d1973b4c7b
✓ this(14);
Anon anonff7b84812f8f49b9
X this.duck(14);
10. A constructor can have a call to super() OR this(), but NEVER both.
11/13 A True
2/13 (B) False
11. A class must be put into a directory structure that matches the package hierarchy.
12/13 A True
1/13 B False
12. The keyword "static" lets a method run without any instance of the class.
11/13 A True
2/13 (B) False
13. A static method cannot be dependent on any instance variable.
9/13 A True
4/13 B False
14. Static final variables are also known as:
0/13 (A) Constructor args
0/13 (B) Primitives
0/13 (C) Booleans
12/13 D Constants
0/13 (E) None of the above
15. Which of the following are true?
12/13 A The naming convention for constants is to make the name all uppercase.
12/13 B A final class cannot be extended (subclassed).
10/13 A static method can access a static variable.
1/13 D A final method can be overridden.
0/13 E None of the above
16. An abstract class can only have abstract methods.
4/13 (A) True

B False

9/13

Marking a class with the "abstract" keyword prevents a developer from instantiating that class. True 12/13 False 1/13 Which of the following are true? An interface must be created using the keyword "abstract". 2/13 An interface defines only abstract methods. 11/13 A class can implement multiple interfaces. 12/13 All interface methods are implicitly public. 10/13 None of the above. 0/13 19. Write an abstract method called calculatePremium that two parameters: a double for rate and an int for term. The method has returns a double. Anon anon078c90873da74dd7 public abstract double calculatePremium(); Anon anon1c513292729945da public abstract (double rate, int term); Anon anon1efc3a600a10437e public abstract double calculatePremium(double rate, int term); Anon anon29632b75fdaa43d3 Abstract double calculatePremium(double rate, int term); Anon anon66f2125bd8374481 public abstract calculatePremium(double rate, int term); Anon anon7c9f795df51a4e04 abstract double calculatePremium(double rate, int term);

Anon anon95166b4e77364ec0

public abstract double calculatePremium(double rate int term) {

X }

Anon anone8d48a36edf24991

public abstract double calculatePremium(double rate, int term);

Anon anonf0818d982dab48db

public double abstract calculatePremium();

Anon anonfa61e8d1973b4c7b

public abstract double calculaePremium(double rate, int term);

20. supe	If you rclass	override a superclass method in a subclass, you cannot invoke (call) the method.
0/13	A	True
13/13	В	False
		the following: SuperStarCoder rockstar = new JavaRockStar(); what is the erence type?
2/13	(A) J	avaRockStar
2/13	B r	rockstar
9/13	C S	SuperStarCoder
0/13	D r	new
0/13	E N	None of the above
		the following: SuperStarCoder rockstar = new JavaRockStar(); what is the ect type?
12/13	A	JavaRockStar
1/13	B	rockstar
0/13	C	SuperStarCoder
0/13	D	new
0/13	E	None of the above
23.	What	is the proper way to create an interface called Payable?
0/13	A	public abstract interface class Payable {}
0/13	B	public abstract Payable {}
0/13	C	public abstract interface class Payable extends Payable {}
11/13	D	public interface Payable {}
1/13	E	None of the above
24.	Which	n of the following are true?
9/13	A	You can write a new instance method in the subclass that has the same signature as the one in the superclass, thus overriding it.
11/13	В	You can declare new methods in the subclass that are not in the superclass.
11/13	C	You can declare new fields in the subclass that are not in the superclass.
9/13	D	A subclass cannot extend multiple superclasses.
8/13	E	A subclass inherits the private instance variables and private methods of its superclass.
mess	sage to	erclass called Fruit contains a method called display() that outputs a o the terminal. Which code segment IN THE SUBCLASS Apple will ly call that method?

12/13 A super.display();

0/13	(B)	Fruit.display();
0/13	C	display(Fruit);
0/13	D	Apple.display;
0/13	E	this.display();
26.	Which	n of the following are true:
20.	VVIIICI	Tot the following are true.
6/13	A	The arguments and return types of an overriding method must look to the outside world exactly like the overridden method in the superclass.
11/13	В	Overloaded methods have the same name, but different argument lists.
8/13	C	Overloaded methods can have different return types as long as the arguments lists are different.
1/13	D	When overriding a public method, you can declare the method as private.
3/13	E	All of the above are true.
27. class	An im	port statement saves you from having to type out the full name of
27. class 11/13	An im	port statement saves you from having to type out the full name of
	An im	port statement saves you from having to type out the full name of
27. class 11/13 2/13 28. calle	An imses. A B What d myK	port statement saves you from having to type out the full name of
27. class 11/13 2/13 28. calle	An imses. A B What d myK	port statement saves you from having to type out the full name of True False is the proper way to add a Kumquat object to an ArrayList of Kumquats SumquatList? Assume I have created a Kumquat object like this: Kumquat
27. class 11/13 2/13 28. calle myK	An imses. A B What d mykumqua	True False is the proper way to add a Kumquat object to an ArrayList of Kumquats (umquatList? Assume I have created a Kumquat object like this: Kumquat at = new Kumquat();
27. class 11/13 2/13 28. calle myK 0/13	An imses. A B What d myK umqua	True False is the proper way to add a Kumquat object to an ArrayList of Kumquats KumquatList? Assume I have created a Kumquat object like this: Kumquat at = new Kumquat = myKumquat; myKumquatList.kumquat = myKumquat;
27. class 11/13 2/13 28. calle myK 0/13 0/13	An imses. A B What d myK umqua	port statement saves you from having to type out the full name of True False is the proper way to add a Kumquat object to an ArrayList of Kumquats KumquatList? Assume I have created a Kumquat object like this: Kumquat at = new Kumquat(); myKumquatList.kumquat = myKumquat; myKumquatList[0] = myKumquat;
27. class 11/13 2/13 28. calle myK 0/13	An imses. A B What d mykumqua	True False is the proper way to add a Kumquat object to an ArrayList of Kumquats KumquatList? Assume I have created a Kumquat object like this: Kumquat at = new Kumquat(); myKumquatList.kumquat = myKumquat; myKumquatList.go] = myKumquat; myKumquatList.add(myKumquat);