

Java 111 Final Exam Review (from version 1)

Total Questions: 28

Most Correct Answers: #8

Least Correct Answers: #16

- 1. Instance variables are variables declared inside a method or method parameter.
- **1/14** (A) True
- 0/14 B True only in an interface
- 0/14 (C) True only in an abstract class
- **12/14** P False
 - 2. In the code example below, which is the object reference variable?
- **0/14** (A) Duck()
- **0/14** (B) 24
- 11/14
- **0/14** D new Duck()
- 2/14 (E) Duck
- 3. In the code example below, where will the Duck object live?
- **11/14** A Heap
- **2/14** (B) Stack
- **0/14** (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() {
 Duck d = new Duck(24);

- 4. The currently executing method is the one on the bottom of the stack.
- **2/14** (A) True
- 11/14 B False
 - 5. In the code example below, how long will "d" live on the stack?
- 11/14 A Until run() pops off the stack
- 0/14 (B) Until build() is added to the top of the stack
- 1/14 C Until build() pops off the stack
- 1/14 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();
- 13/14 B A constructor must have the same name as the class and no return type
- 1/14 C If you add a 2-argument constructor to a class, the compiler will create a default constructor
- 12/14 D The default constructor created by the compiler has no arguments.

7. Constructors cannot be overloaded.

- **1/14** (A) True
- **12/14** B False
 - 8. A constructor on an object's parent must run when you make a new object.
- **13/14** A True
- 0/14 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 anon0673329aafc546f3

- X this();
- Anon anon09fdeb0816284bdf
- **X** Duck(14);

Anon anon1c2377c8e444487c

this(14);

Anon anon2103533d9ffd4adf

 \times Duck d = new Duck(14);

Anon anon2f9711c9066346ad

X size = 14;

Anon anon5e271d568c1146c1

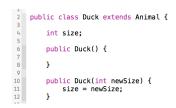
 \times size = 0;

Anon anon607e18d253d844c4

 \times Duck duck = new Duck(14);

Anon anonadcf6b9f19a94005

X this



Anon anonbbbaee7192fe4443
X size= 14;
Anon anoncd2340c674d04489
X this.size(14);
Anon anond2832aaaf6484a39
✓ this(14);
Anon anond6279b4fb7b14186
✓ this(14);
Anon anonea90b944efd94d0c
× newSize(14)
10. A constructor can have a call to super() OR this(), but NEVER both.
10/14 A True
3/14 B False
3/14
11. A class must be put into a directory structure that matches the package hierarchy.
13/14 A True
0/14 B False
12. The keyword "static" lets a method run without any instance of the class.
12/14 A True
1/14 B False
13. A static method cannot be dependent on any instance variable.
9/14 A True
4/14 (B) False
14. Static final variables are also known as:
1/14 A Constructor args
1/14 B Primitives
0/14 C Booleans
11/14 D Constants
0/14 E None of the above

15. Which of t	he following are true?			
13/14 A The r	naming convention for constants is to make the name all uppercase.			
12/14 B A fina	al class cannot be extended (subclassed).			
12/14 C A star	tic method can access a static variable.			
2/14 D A fina	al method can be overridden.			
0/14 E None	e of the above			
16. An abstrac	et class can only have abstract methods			
0/14 (A) True	ct class can only have abstract methods.			
0/14 B False				
17. Marking a instantiating th	class with the "abstract" keyword prevents a developer from at class.			
11/14 A True				
2/14 B False				
18. Which of t	he following are true?			
	terface must be created using the keyword "abstract".			
	terface defines only abstract methods.			
12/14 A class	ss can implement multiple interfaces.			
10/14 D All int	terface methods are implicitly public.			
0/14 (E) None	e of the above.			
19. Write an al	bstract method called calculatePremium that two parameters: a and an int for term. The method has returns a double.			
Anon anon0673329	9aafc546f3			
<pre>public abstract class calculatePremium(double rate, int term) { return double }</pre>				
Anon anon09fdeb0816284bdf				
public abstract return rate * te X }	double calculatePremium(double rate, int term) { erm			

Anon anon1c2377c8e444487c

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

Anon anon2103533d9ffd4adf

```
public abstract calculatePremium(Double rate, int term) {
  this.rate = rate;
  this.term = term;
  return rate;
}
```

Anon anon2f9711c9066346ad

public abstract calculatePremium(double rate, int term);

Anon anon5e271d568c1146c1

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

Anon anon607e18d253d844c4

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

Anon anonadcf6b9f19a94005

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

Anon anonbbbaee7192fe4443

```
public abstract calculatePremium(double rate, int term
) {
    return rate;
```

X

Anon anoncd2340c674d04489

public abstract calculatePremium(double rate, int term) {returns double;}

Anon anond2832aaaf6484a39

public abstract double calculatePremium(double rate, int term) {}

Anon anond6279b4fb7b14186

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

Anon anonea90b944efd94d0c

public abstract double calculatePremiun(double rate, int term) { return rate;

X }

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

2/14



11/14



21. obje	Given ct refe	the following: SuperStarCoder rockstar = new JavaRockStar(); what is the rence type?
2/14	A	JavaRockStar
1/14	B	rockstar
10/14	C	SuperStarCoder
0/14	D	new
0/14	E	None of the above
22. actua		the following: SuperStarCoder rockstar = new JavaRockStar(); what is the ect type?
13/14	A	JavaRockStar
0/14	(B)	rockstar
0/14	(c)	SuperStarCoder
0/14	D	new
0/14	E	None of the above
23.	What	is the proper way to create an interface called Payable?
0/14	A	public abstract interface class Payable {}
0/14	В	public abstract Payable {}
0/14	C	public abstract interface class Payable extends Payable {}
12/14	D	public interface Payable {}
0/14	E	None of the above
24.	Which	of the following are true?
13/14	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.
13/14	В	You can declare new methods in the subclass that are not in the superclass.
13/14	C	You can declare new fields in the subclass that are not in the superclass.
7/14	D	A subclass cannot extend multiple superclasses.
5/14	E	A subclass inherits the private instance variables and private methods of its superclass.

mess	sage t	perclass 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?		
13/14	A	super.display();		
0/14	B	Fruit.display();		
0/14	C	display(Fruit);		
0/14	D	Apple.display;		
0/14	E	this.display();		
26.	Whic	h of the following are true:		
11/14	A	The arguments and return types of an overriding method must look to the outside world exactly like the overridden method in the superclass.		
10/14	В	Overloaded methods have the same name, but different argument lists.		
6/14	C	Overloaded methods can have different return types as long as the arguments lists are different.		
5/14	D	When overriding a public method, you can declare the method as private.		
2/14	E	All of the above are true.		
27. class		nport statement saves you from having to type out the full name of		
9/14	A	True		
4/14	B	False		
28. What is the proper way to add a Kumquat object to an ArrayList of Kumquats called myKumquatList? Assume I have created a Kumquat object like this: Kumquat myKumquat = new Kumquat();				
0/14	A	myKumquatList.kumquat = myKumquat;		
0/14	B	myKumquatList[0] = myKumquat;		
13/14	C	myKumquatList.add(myKumquat);		
0/14	D	myKumquatList[1].add(myKumquat)		