Try Another Quiz

Question: 1 public abstract class Shape {
private int x;
private int y;
public abstract void draw();
public void setAnchor(int x, int y) {
this.x = x;
this.y = y;
}
}

Which one class use the Shape class correctly?

Your Answer: public abstract class Circle extends Shape {
private int radius;
}

Correct Answer: public abstract class Circle extends Shape {
private int radius;
}

Description: None

Question: 2 public class Barn {
public static void main(String[] args) {
new Barn().go("hi", 1);
new Barn().go("hi", "world", 2);
}
public void go(String... y, int x) {
System.out.print(y[y.length - 1] + " ");
}
}

What is the result?

Your Answer: Compilation fails.

Correct Answer: Compilation fails.

Description: None

Question: 3 1. public class Threads2 implements Runnable {
2.
3. public void run() {
4. System.out.println("run.");
5. throw new RuntimeException("Problem");
6. }
7. public static void main(String[] args) {
8. Thread t = new Thread(new Threads2());
9. t.start();
10. System.out.println("End of method.");
11. }
12. }
Which one can be result?

Your Answer: End of method.
java.lang.RuntimeException: Problem

Correct Answer: run.
java.lang.RuntimeException: Problem
End of method.

Description: None

Question: 4 class Nav{
public enum Direction { NORTH, SOUTH, EAST, WEST }
}
public class Sprite{
// insert code here
}

Which code, inserted at line 14, allows the Sprite class to compile?

Your Answer: Nav.Direction d = Nav.Direction.NORTH;

Correct Answer: Nav.Direction d = Nav.Direction.NORTH;

Description: None

Question: 5 class Atom {
Atom() { System.out.print("atom "); }
}
class Rock extends Atom {
Rock(String type) { System.out.print(type); }
}
public class Mountain extends Rock {
Mountain() {
super("granite ");
new Rock("granite ");
}
public static void main(String[] a) { new Mountain(); }
}

What is the result?

Your Answer: granite granite

Correct Answer: atom granite atom granite

Description: None

Question: 6 interface TestA { String toString(); }
public class Test {
public static void main(String[] args) {
System.out.println(new TestA() {
public String toString() { return "test"; }
});
}
}
What is the result?

Your Answer: An exception is thrown at runtime.

Correct Answer: test

Description: None

Question: 7 class Mud {
public static void main(String...[] a) {// insert code here
System.out.println("hi");
}
}
And the following five fragments:
public static void main(String...a) {
public static void main(String.* a) {
public static void main(String... a) {
public static void main(String[]... a) {
public static void main(String...[] a) {
How many of the code fragments, inserted independently at line 12, compile?

Your Answer: 3

Correct Answer: 3

Description: None

Question: 8 public class Threads4 {
public static void main (String[] args) {
new Threads4().go();
}
public void go() {
Runnable r = new Runnable() {
public void run() {
System.out.print("foo");
}
};
Thread t = new Thread(r);
t.start();

}
}

Your Answer: The code executes normally, but nothing is printed.

Correct Answer: The code executes normally and prints "foo".

Description: None

Question: 9 Given:
1. package test;
2.
3. class Target {
4. public String name = "hello";
5. }

What can directly access and change the value of the variable name?

Your Answer: only the Target class

Correct Answer: any class in the test package

Description: None

Question: 10 public class Rainbow {
public enum MyColor {
RED(0xff0000), GREEN(0x00ff00), BLUE(0x0000ff);
private final int rgb;
MyColor(int rgb) { this.rgb = rgb; }
public int getRGB() { return rgb; }
};
public static void main(String[] args) {
// insert code here
}
}
Which code fragment, inserted at line 19, allows the Rainbow class to compile?

Your Answer: if(RED.getRGB() < BLUE.getRGB()) { }

Correct Answer: MyColor treeColor = MyColor.GREEN;

Description: None

Question: 11 class PingPong2 {
synchronized void hit(long n) {
for(int i = 1; i < 3; i++)
System.out.print(n + "-" + i + " ");
}
}
public class Tester implements Runnable {
static PingPong2 pp2 = new PingPong2();
public static void main(String[] args) {
new Thread(new Tester()).start();
new Thread(new Tester()).start();
}
public void run() { pp2.hit(Thread.currentThread().getId()); }
}

Which statement is true?

Your Answer: The output could be 6-1 5-2 6-2 5-1

Correct Answer: The output could be 8-1 8-2 9-1 9-2

Description: None

Question: 12 class A{
public static void parse(String str) {
try {
float f = Float.parseFloat(str);
} catch (NumberFormatException nfe) {
f = 0;
} finally {
System.out.println(f);
}
}
public static void main(String[] args) {
parse("invalid");
}
}

What is the result?

Your Answer: Compilation fails.

Correct Answer: Compilation fails.

Description: None

Question: 13 Which Man class properly represents the relationship "Man has a best friend who is a Dog"?

Your Answer: class Man implements Dog { }

Correct Answer: class Man { private Dog bestFriend; }

Description: None

Question: 14 class Super {
private int a;
protected Super(int a) { this.a = a; }
}

class Sub extends Super {
public Sub(int a) { super(a); }
public Sub() { this.a=5; }
}

Which one, independently, will allow Sub to compile?

Your Answer: Change line 13 to:
public Sub() { super(a); }

Correct Answer: Change line 13 to:
public Sub() { this(5); }

Description: None

Question: 15 Given:
7. void waitForSignal() {
8. Object obj = new Object();
9. synchronized (Thread.currentThread()) {
10. obj.wait();
11. obj.notify();
12. }
13. }
Which statement is true?

Your Answer: This code can throw an InterruptedException.

Correct Answer: This code can throw an IllegalMonitorStateException.

Description: None

Finish