D. The interface used to implement sorting allows this class to define many different sort sequences.

```
Answer: A,C
QUESTION: 235
Given:
12. import java.util.*;
13. public class Explorer3 {
14. public static void main(String[] args) {
15. TreeSet<Integer> s = new TreeSet<Integer>();
16. TreeSet<Integer> subs = new TreeSet<Integer>();
17. for(int i = 606; i < 613; i++)
18. if(i\%2 == 0) s.add(i);
19. subs = (TreeSet)s.subSet(608, true, 611, true);
20. subs.add(629);
21. System.out.println(s + "" + subs);
22. }
23. }
What is the result?
A. Compilation fails.
B. An exception is thrown at runtime.
C. [608, 610, 612, 629] [608, 610]
D. [608, 610, 612, 629] [608, 610, 629]
E. [606, 608, 610, 612, 629] [608, 610]
F. [606, 608, 610, 612, 629] [608, 610, 629]
Answer: B
QUESTION: 236
Given:
1. import java.util.*;
2.
3. public class LetterASort{
4. public static void main(String[] args) {
5. ArrayList<String> strings = new ArrayList<String>();
6. strings.add("aAaA");
7. strings.add("AaA");
8. strings.add("aAa");
9. strings.add("AAaa");
10. Collections.sort(strings);
```

11. for (String s : strings) { System.out.print(s + " "); }

```
12. }
13. }
What is the result?
A. Compilation fails.
B. aAaA aAa AAaa AaA
C. AAaa AaA aAa aAaA
D. AaA AAaa aAaA aAa
E. aAa AaA aAaA AAaa
F. An exception is thrown at runtime.
Answer: C
QUESTION: 237
Given:
5. class A {
6. void foo() throws Exception { throw new Exception(); }
7. }
8. class SubB2 extends A {
9. void foo() { System.out.println("B"); }
10. }
11. class Tester {
12. public static void main(String[] args) {
13. A a = \text{new SubB2}();
14. a.foo(); 15. }
16. }
What is the result?
A. B
B. B, followed by an Exception.
C. Compilation fails due to an error on line 9.
D. Compilation fails due to an error on line 14.
E. An Exception is thrown with no other output
Answer: D
QUESTION: 238
Given a method that must ensure that its parameter is not null:
11. public void someMethod(Object value) {
12. // check for null value
...
```

http://www.testkiller.com http://www.troytec.com

```
20. System.out.println(value.getClass());
What, inserted at line 12, is the appropriate way to handle a null value?
A. assert value == null;
B. assert value != null, "value is null";
C. if (value == null) { throw new AssertionException("value is null"); }
D. if (value == null) { throw new IllegalArgumentException("value is null"); }
Answer: D
QUESTION: 239
Given:
1. public class Mule {
2. public static void main(String[] args) {
3. boolean assert = true;
4. if(assert) {
5. System.out.println("assert is true");
6. }
7. }
8. }
Which command-line invocations will compile?
A. javac Mule.java
B. javac -source 1.3 Mule.java
C. javac -source 1.4 Mule.java
D. javac -source 1.5 Mule.java
Answer: B
QUESTION: 240
Click the Exhibit button.
Given:
25. try {
26. A a = \text{new } A();
27. a.method1();
28. } catch (Exception e) {
29. System.out.print("an error occurred");
30. Which two statements are true if a NullPointerException is thrown on line 3 of class
C? (Choose two.)
```

```
1. public class A {
2.    public void method1() {
3.         B b = new B();
4.         b.method2();
5.         // more code here
6.    }
7. }

1. public class B {
2.    public void method2() {
3.         C c = new C();
4.         c.method3();
5.         // more code here
6.    }
7. }

1. public class C {
2.    public void method3() {
3.         // more code here
4.    }
5. }
```

- A. The application will crash.
- B. The code on line 29 will be executed.
- C. The code on line 5 of class A will execute.
- D. The code on line 5 of class B will execute.
- E. The exception will be propagated back to line 27.

Answer: B,E

E. Compilation fails.

```
QUESTION: 241
Given:
1. public class Venus {
2. public static void main(String[] args) {
3. int [] x = \{1,2,3\};
4. int y[] = \{4,5,6\};
5. new Venus().go(x,y);
6. }
7. void go(int[]... z) {
8. for(int[] a : z)
9. System.out.print(a[0]);
10. }
11. What is the result?
A. 1
B. 12
C. 14
D. 123
```

F. An exception is thrown at runtime.

Answer: C QUESTION: 242 Given: 11. public class Test { 12. public enum Dogs {collie, harrier, shepherd}; 13. public static void main(String [] args) { 14. Dogs myDog = Dogs.shepherd; 15. switch (myDog) { 16. case collie: 17. System.out.print("collie "); 18. case default: 19. System.out.print("retriever"); 20. case harrier: 21. System.out.print("harrier"); 22. } 23. } 24. } What is the result? A. harrier B. shepherd C. retriever D. Compilation fails. E. retriever harrier F. An exception is thrown at runtime. **Answer:** D **OUESTION:** 243 Given: 11. static void test() { 12. try { 13. String x = null; 14. System.out.print(x.toString() + " "); 16. finally { System.out.print("finally "); } 17. } 18. public static void main(String[] args) {

20. catch (Exception ex) { System.out.print("exception "); }

19. try { test(); }

```
21. What is the result?
A. null
B. finally
C. null finally
D. Compilation fails.
E. finally exception
Answer: E
QUESTION: 244
Given:
1. public class Breaker2 {
2. static String o = "";
3. public static void main(String[] args) {
5. for(int x = 2; x < 7; x++) {
6. if(x==3) continue;
7. if(x==5) break z;
8. o = o + x;
9. }
10. System.out.println(o);
11. }
12. }
What is the result?
A. 2
B. 24
C. 234
D. 246
E. 2346
F. Compilation fails.
Answer: B
QUESTION: 245
Given:
11. public static void main(String[] args) {
12. String str = "null";
13. if (str == null) {
14. System.out.println("null");
15. } else (str.length() == 0) {
16. System.out.println("zero");
```

```
17. } else {
18. System.out.println("some");
19. }
20. }
What is the result?
A. null
B. zero
C. some
D. Compilation fails.
E. An exception is thrown at runtime.
```

Answer: D

QUESTION: 246

Which can appropriately be thrown by a programmer using Java SE technology to create a desktop application?

- A. ClassCastException
- B. NullPointerException
- C. NoClassDefFoundError
- D. NumberFormatException
- E. ArrayIndexOutOfBoundsException

Answer: D

```
QUESTION: 247
Given:
11. class A {
12. public void process() { System.out.print("A,"); }
13. class B extends A {
14. public void process() throws IOException {
15. super.process();
16. System.out.print("B,");
17. throw new IOException();
18. }
19. public static void main(String[] args) {
20. try { new B().process(); }
21. catch (IOException e) { System.out.println("Exception"); }
22. }
What is the result?
```

A. Exception

- B. A,B,Exception
- C. Compilation fails because of an error in line 20.
- D. Compilation fails because of an error in line 14.
- E. A NullPointerException is thrown at runtime.

Answer: D

QUESTION: 248

Given:

- 11. public void genNumbers() {
- 12. ArrayList numbers = new ArrayList();
- 13. for (int i=0; i<10; i++) {
- 14. int value = i * ((int) Math.random());
- 15. Integer intObj = new Integer(value);
- 16. numbers.add(intObj);
- 17. }
- 18. System.out.println(numbers);
- 19. }

Which line of code marks the earliest point that an object referenced by intObj becomes a candidate for garbage collection?

- A. Line 16
- B. Line 17
- C. Line 18
- D. Line 19
- E. The object is NOT a candidate for garbage collection.

Answer: D

QUESTION: 249

Click the Exhibit button.

Given the fully-qualified class names:

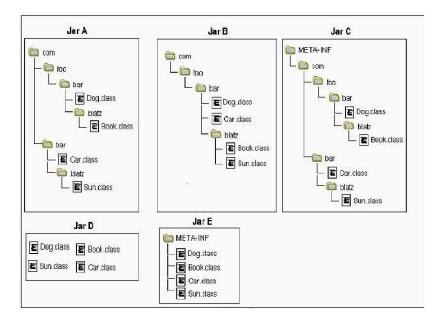
com.foo.bar.Dog

com.foo.bar.blatz.Book

com.bar.Car

com.bar.blatz.Sun

Which graph represents the correct directory structure for a JAR file from which those classes can be used by the compiler and JVM?



- A. Jar A
- B. Jar B
- C. Jar C
- D. Jar D
- E. Jar E

Answer: A

QUESTION: 250

Given:

- 1. public class GC {
- 2. private Object o;
- 3. private void doSomethingElse(Object obj) { o = obj; }
- 4. public void doSomething() {
- 5. Object o = new Object();
- 6. doSomethingElse(o);
- 7. o = new Object();
- 8. doSomethingElse(null);
- 9. o = null;
- 10. }
- 11. }

When the doSomething method is called, after which line does the Object created in line 5 become available for garbage collection?

- A. Line 5
- B. Line 6

```
C. Line 7
D. Line 8
E. Line 9
F. Line 10
Answer: D
QUESTION: 251
Given:
15. public class Pass2 {
16. public void main(String [] args) {
17. int x = 6;
18. Pass2 p = new Pass2();
19. p.doStuff(x);
20. System.out.print(" main x = " + x);
21. }
22.
23. void doStuff(int x) {
24. System.out.print(" doStuff x = " + x++);
25. }
26. }
And the command-line invocations:
javac Pass2.
java java Pass2 5
What is the result?
A. Compilation fails.
B. An exception is thrown at runtime.
C. doStuff x = 6 main x = 6
D. doStuff x = 6 main x = 7
E. doStuff x = 7 \text{ main } x = 6
F. doStuff x = 7 main x = 7
Answer: B
QUESTION: 252
Given:
11. interface DeclareStuff {
12. public static final int EASY = 3;
13. void doStuff(int t); }
14. public class TestDeclare implements DeclareStuff {
15. public static void main(String [] args) {
16. int x = 5;
```

```
17. new TestDeclare().doStuff(++x);
18. }
19. void doStuff(int s) {
20. s += EASY + ++s;
21. System.out.println("s " + s);
22. }
23. } What is the result?

A. s 14
B. s 16
C. s 10
D. Compilation fails.
E. An exception is thrown at runtime.
```

Answer: D

QUESTION: 253

A class games.cards.Poker is correctly defined in the jar file Poker.jar. A user wants to execute the main method of Poker on a UNIX system using the command: java games.cards.Poker

What allows the user to do this?

A. put Poker.jar in directory /stuff/java, and set the CLASSPATH to include /stuff/java

- B. put Poker.jar in directory /stuff/java, and set the CLASSPATH to include /stuff/java/*.jar
- C. Put Poker.jar in directory /stuff/java, and set the CLASSPATH to include /stuff/java/Poker.jar
- D. put Poker.jar in directory /stuff/java/games/cards, and set the CLASSPATH to include /stuff/java E. put Poker.jar in directory /stuff/java/games/cards, and set the CLASSPATH to include /stuff/java/*.jar
- F. put Poker.jar in directory /stuff/java/games/cards, and set the CLASSPATH to include /stuff/java/Poker.jar

Answer: C

QUESTION: 254

Given a correctly compiled class whose source code is:

- 1. package com.sun.sjcp;
- 2. public class Commander {
- 3. public static void main(String[] args) {
- 4. // more code here
- 5. }
- 6. }

Assume that the class file is located in /foo/com/sun/sjcp/, the current directory is /foo/, and that the classpath contains "." (current directory). Which command line correctly runs Commander?

```
A. java Commander
B. java com.sun.sjcp.Commander
C. java com/sun/sjcp/Commander
D. java -cp com.sun.sjcp Commander
E. java -cp com/sun/sjcp Commander
```

Answer: B

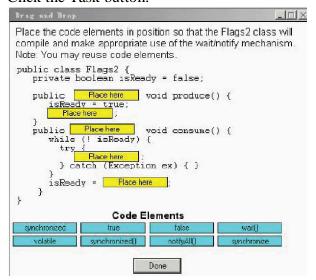
```
QUESTION: 255
Given:
1. interface DoStuff2 {
2. float getRange(int low, int high); }
3.
4. interface DoMore {
5. float getAvg(int a, int b, int c); }
6.
7. abstract class DoAbstract implements DoStuff2, DoMore { }
9. class DoStuff implements DoStuff2 {
10. public float getRange(int x, int y) { return 3.14f; } }
12. interface DoAll extends DoMore {
13. float getAvg(int a, int b, int c, int d); }
What is the result?
A. The file will compile without error.
B. Compilation fails. Only line 7 contains an error.
C. Compilation fails. Only line 12 contains an error.
D. Compilation fails. Only line 13 contains an error.
E. Compilation fails. Only lines 7 and 12 contain errors.
F. Compilation fails. Only lines 7 and 13 contain errors.
G. Compilation fails. Lines 7, 12, and 13 contain errors.
Answer: A
QUESTION: 256
Given:
3. public class Spock {
4. public static void main(String[] args) {
```

```
5. Long tail = 2000L;
6. Long distance = 1999L;
7. Long story = 1000L;
8. if((tail > distance) ^((story * 2) == tail))
9. System.out.print("1");
10. if((distance + 1 != tail) ^((story * 2) == distance))
11. System.out.print("2");
12. }
13. }
What is the result?
A. 1
B. 2
C. 12
D. Compilation fails.
E. No output is produced.
F. An exception is thrown at runtime.
Answer: E
QUESTION: 257
Given:
5. class Payload {
6. private int weight;
7. public Payload (int w) { weight = w; }
8. public void setWeight(int w) { weight = w; }
9. public String toString() { return Integer.toString(weight); }
10. }
11. public class TestPayload {
12. static void changePayload(Payload p) { /* insert code */ }
13. public static void main(String[] args) {
14. Payload p = new Payload(200); 15. p.setWeight(1024);
16. changePayload(p);
17. System.out.println("p is " + p);
18. } }
Which code fragment, inserted at the end of line 12, produces the output p is 420?
A. p.setWeight(420);
B. p.changePayload(420);
C. p = \text{new Payload}(420);
D. Payload.setWeight(420);
E. p = Payload.setWeight(420);
```

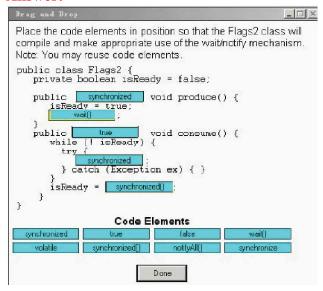
Answer: A

QUESTION: 258

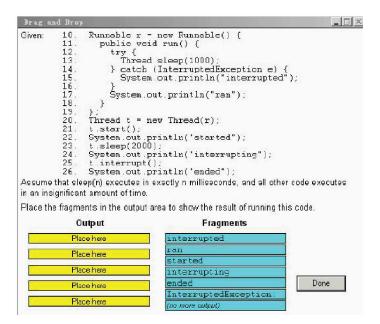
Click the Task button.



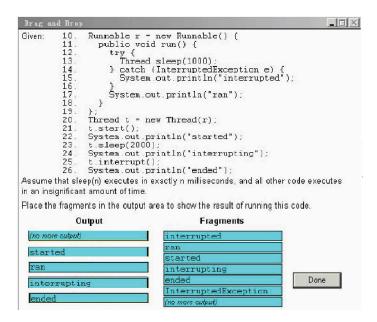
Answer:



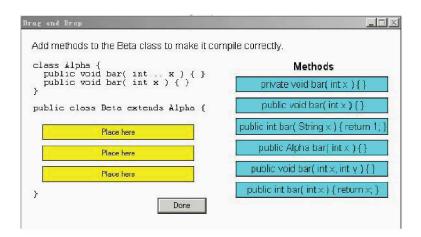
QUESTION: 259 Click the Task button.



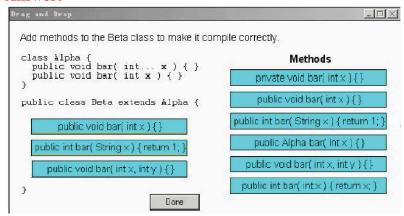
Answer:



QUESTION: 260 Click the Task button.

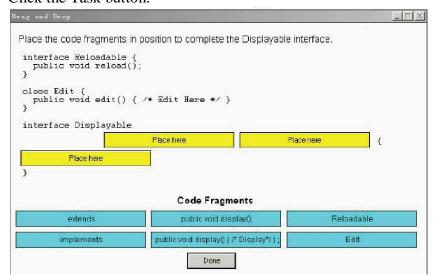


Answer:

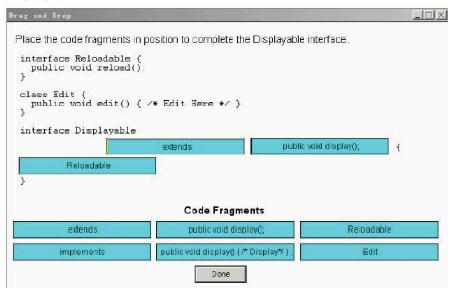


QUESTION: 261

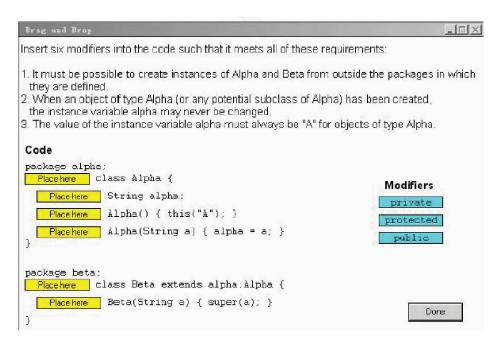
Click the Task button.

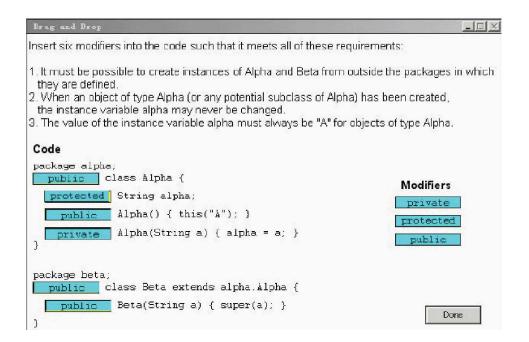


Answer:

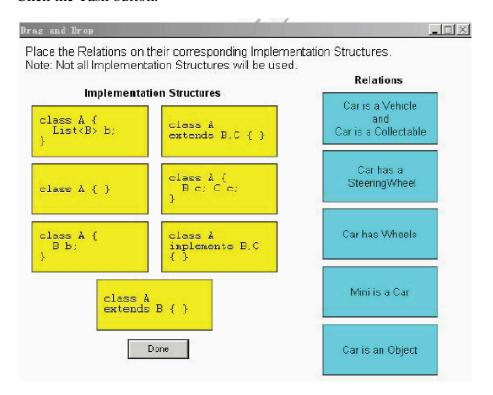


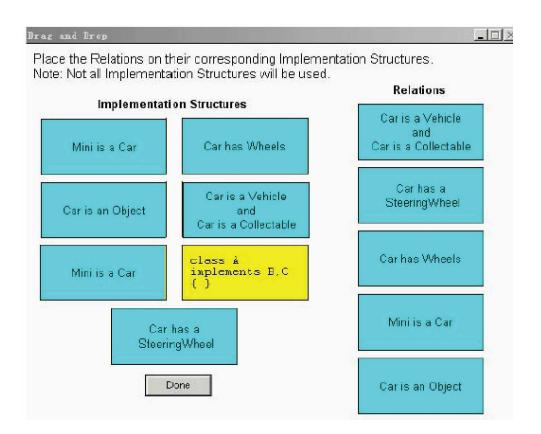
QUESTION: 262 Click the Task button.



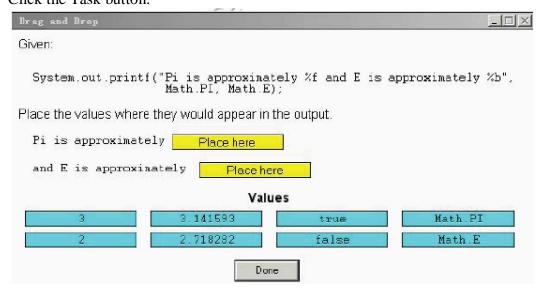


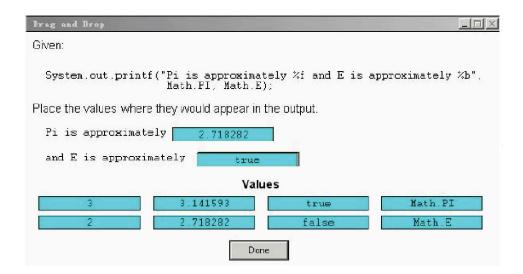
QUESTION: 263 Click the Task button.





QUESTION: 264 Click the Task button.





QUESTION: 265

Click the Task button.

