



Oracle

Exam Questions 1z0-830

Java SE 21 Developer Professional

About ExamBible

Your Partner of IT Exam

Found in 1998

ExamBible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, ExamBible has its unique advantages that other companies could not achieve.

Our Advances

* 99.9% Uptime

All examinations will be up to date.

* 24/7 Quality Support

We will provide service round the clock.

* 100% Pass Rate

Our guarantee that you will pass the exam.

* Unique Gurantee

If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

NEW QUESTION 1

Given: java

```
var frenchCities = new TreeSet<String>(); frenchCities.add("Paris"); frenchCities.add("Marseille"); frenchCities.add("Lyon"); frenchCities.add("Lille"); frenchCities.add("Toulouse"); System.out.println(frenchCities.headSet("Marseille"));
```

 What will be printed?

- A. [Paris]
- B. [Paris, Toulouse]
- C. [Lille, Lyon]
- D. Compilation fails
- E. [Lyon, Lille, Toulouse]

Answer: C

NEW QUESTION 2

Given: java

```
public class Versailles { int mirrorsCount; int gardensHectares; void Versailles() { // n1 this.mirrorsCount = 17; this.gardensHectares = 800; System.out.println("Hall of Mirrors has " + mirrorsCount + " mirrors."); System.out.println("The gardens cover " + gardensHectares + " hectares."); } public static void main(String[] args) { var castle = new Versailles(); // n2 } }
```

What is printed?

- A. ngxinHall of Mirrors has 17 mirror
- B. The gardens cover 800 hectares.
- C. Nothing
- D. An exception is thrown at runtime.
- E. Compilation fails at line n1.
- F. Compilation fails at line n2.

Answer: D

NEW QUESTION 3

Given: java

```
String s = " "; System.out.print("[ " + s.strip()); s = " hello "; System.out.print(", " + s.strip()); s = "h i "; System.out.print(", " + s.strip() + " ]");
```

 What is printed?

- A. [,hello,h i]
- B. [,hello,h i]
- C. [,hello,hi]
- D. [, hello ,hi]

Answer: B

NEW QUESTION 4

Given: java

```
public class Test { class A { } static class B { } public static void main(String[] args) { // Insert here } }
```

Which three of the following are valid statements when inserted into the given program?

- A. A a = new A();
- B. B b = new Test.B();
- C. A a = new Test.A();
- D. B b = new Test().new B();
- E. B b = new B();
- F. A a = new Test().new A();

Answer: BEF

NEW QUESTION 5

Given: java

```
List<String> frenchAuthors = new ArrayList<>(); frenchAuthors.add("Victor Hugo"); frenchAuthors.add("Gustave Flaubert");
```

 Which compiles?

- A. Map<String, ArrayList<String>> authorsMap1 = new HashMap<>();javaauthorsMap1.put("FR", frenchAuthors);
- B. Map<String, ? extends List<String>> authorsMap2 = new HashMap<String, ArrayList<String>>();javaauthorsMap2.put("FR", frenchAuthors);

C. `var authorsMap3 = new HashMap<>(); javaauthorsMap3.put("FR", frenchAuthors);`
D. `Map<String, List<String>> authorsMap4 = new HashMap<String, ArrayList<String>>(); javaauthorsMap4.put("FR", frenchAuthors);`
E. `Map<String, List<String>> authorsMap5 = new HashMap<String, List<String>>(); javaauthorsMap5.put("FR", frenchAuthors);`

Answer: CDE

NEW QUESTION 6

Given: java
`Runnable task1 = () -> System.out.println("Executing Task-1"); Callable<String> task2 = () -> {
System.out.println("Executing Task-2"); return "Task-2 Finish."
};
ExecutorService execService = Executors.newCachedThreadPool();
// INSERT CODE HERE
execService.awaitTermination(3, TimeUnit.SECONDS); execService.shutdownNow();`
Which of the following statements, inserted in the code above, prints both:
"Executing Task-2" and "Executing Task-1"?

- A. `execService.call(task1);`
- B. `execService.call(task2);`
- C. `execService.execute(task1);`
- D. `execService.execute(task2);`
- E. `execService.run(task1);`
- F. `execService.run(task2);`
- G. `execService.submit(task1);`
- H. `execService.submit(task2);`

Answer: GH

NEW QUESTION 7

What do the following print? java
`import java.time.Duration;
public class DividedDuration {
public static void main(String[] args) { var day = Duration.ofDays(2); System.out.print(day.dividedBy(8));
}
}`

- A. PT6H
- B. PT0H
- C. It throws an exception
- D. PT0D
- E. Compilation fails

Answer: A

NEW QUESTION 8

Given: java
`System.out.print(Boolean.logicalAnd(1 == 1, 2 < 1));
System.out.print(Boolean.logicalOr(1 == 1, 2 < 1));
System.out.print(Boolean.logicalXor(1 == 1, 2 < 1));` What is printed?

- A. true>true>false
- B. false>true>true
- C. true>false>true
- D. true>true>true
- E. Compilation fails

Answer: C

NEW QUESTION 9

Given: java
`sealed class Vehicle permits Car, Bike {
}
non-sealed class Car extends Vehicle {
}
final class Bike extends Vehicle {
}
public class SealedClassTest { public static void main(String[] args) {
Class<?> vehicleClass = Vehicle.class; Class<?> carClass = Car.class; Class<?> bikeClass = Bike.class;
System.out.print("Is Vehicle sealed? " + vehicleClass.isSealed() + "; Is Car sealed? " + carClass.isSealed() +
"; Is Bike sealed? " + bikeClass.isSealed());
}
}`
What is printed?

- A. Is Vehicle sealed? true; Is Car sealed? true; Is Bike sealed? true
- B. Is Vehicle sealed? false; Is Car sealed? false; Is Bike sealed? false
- C. Is Vehicle sealed? true; Is Car sealed? false; Is Bike sealed? false
- D. Is Vehicle sealed? false; Is Car sealed? true; Is Bike sealed? true

Answer: C

NEW QUESTION 10

Given:

```
java
public class ExceptionPropagation { public static void main(String[] args) {
try { thrower();
System.out.print("Dom P??rignon, ");
} catch (Exception e) { System.out.print("Chablis, ");
} finally {
System.out.print("Saint-Émilion");
}
}
static int thrower() { try {
int i = 0; return i / i;
} catch (NumberFormatException e) { System.out.print("Ros??");
return -1;
} finally {
System.out.print("Beaujolais Nouveau, ");
}
}
}
```

What is printed?

- A. Saint-Émilion
- B. Beaujolais Nouveau, Chablis, Saint-Émilion
- C. Beaujolais Nouveau, Chablis, Dom P??rignon, Saint-Émilion
- D. Ros??

Answer: B

NEW QUESTION 10

Which of the following suggestions compile?(Choose two.)

- A. javasealed class Figure permits Rectangle {} final class Rectangle extends Figure { float length, width;}
- B. javasealed class Figure permits Rectangle {} public class Rectangle extends Figure { float length, width;}
- C. javapublic sealed class Figure permits Circle, Rectangle {}final sealed class Circle extends Figure { float radius;}non-sealed class Rectangle extends Figure { float length, width;}
- D. javapublic sealed class Figurepermits Circle, Rectangle {}final class Circle extends Figure { float radius;}non-sealed class Rectangle extends Figure { float length, width;}

Answer: AD

NEW QUESTION 15

A module com.eiffeltower.shop with the related sources in the src directory.

That module requires com.eiffeltower.membership, available in a JAR located in the lib directory.

What is the command to compile the module com.eiffeltower.shop?

- A. bashCopyEditjavac -source src -p lib/com.eiffel.membership.jar -d out -m com.eiffeltower.shop
- B. css CopyEditjavac --module-source-path src -p lib/com.eiffel.membership.jar -d out -m com.eiffeltower.shop
- C. css CopyEditjavac --module-source-path src -p lib/com.eiffel.membership.jar -s out -m com.eiffeltower.shop
- D. css CopyEditjavac -path src -p lib/com.eiffel.membership.jar -d out -m com.eiffeltower.shop

Answer: B

NEW QUESTION 18

Given: java

```
var hauteCouture = new String[]{ "Chanel", "Dior", "Louis Vuitton" }; var i = 0;
```

```
do {
System.out.print(hauteCouture[i] + " ");
} while (i++ > 0); What is printed?
```

- A. Chanel
- B. Chanel Dior Louis Vuitton
- C. An ArrayIndexOutOfBoundsException is thrown at runtime.
- D. Compilation fails.

Answer: A

NEW QUESTION 21

Which of the following isn't a valid option of the jdeps command?

- A. --check-deps
- B. --generate-open-module
- C. --list-deps
- D. --generate-module-info
- E. --print-module-deps
- F. --list-reduced-deps

Answer: A

NEW QUESTION 25

Given: java
var counter = 0; do {
System.out.print(counter + " ");
} while (++counter < 3);
What is printed?

- A. 0 1 2 3
- B. 0 1 2
- C. 1 2 3 4
- D. 1 2 3
- E. An exception is thrown.
- F. Compilation fails.

Answer: B

NEW QUESTION 30

Given: java
String textBlock = "" j \
a \t v \s a \ "";
System.out.println(textBlock.length()); What is the output?

- A. 11
- B. 12
- C. 14
- D. 10

Answer: B

NEW QUESTION 35

Given: java
public class Test { static int count;
synchronized Test() { count++;
}
public static void main(String[] args) throws InterruptedException { Runnable task = Test::new;
Thread t1 = new Thread(task); Thread t2 = new Thread(task);
t1.start();
t2.start();
t1.join();
t2.join(); System.out.println(count);
}
}

What is the given program's output?

- A. It's either 1 or 2
- B. It's either 0 or 1
- C. It's always 2
- D. It's always 1
- E. Compilation fails

Answer: E

NEW QUESTION 40

Given: java
public class ThisCalls { public ThisCalls() { this(true);
}
public ThisCalls(boolean flag) { this();
}
}

Which statement is correct?

- A. It does not compile.
- B. It throws an exception at runtime.
- C. It compiles.

Answer: A

NEW QUESTION 41

Given: java
DoubleSummaryStatistics stats1 = new DoubleSummaryStatistics(); stats1.accept(4.5);
stats1.accept(6.0);
DoubleSummaryStatistics stats2 = new DoubleSummaryStatistics(); stats2.accept(3.0);
stats2.accept(8.5);
stats1.combine(stats2);
System.out.println("Sum: " + stats1.getSum() + ", Max: " + stats1.getMax() + ", Avg: " + stats1.getAverage());
What is printed?

- A. Sum: 22.0, Max: 8.5, Avg: 5.5
- B. Sum: 22.0, Max: 8.5, Avg: 5.0
- C. An exception is thrown at runtime.
- D. Compilation fails.

Answer: A

NEW QUESTION 43

Given: java

```
Stream<String> strings = Stream.of("United", "States"); BinaryOperator<String> operator = (s1, s2) -> s1.concat(s2.toUpperCase()); String result = strings.reduce("-", operator);
```

```
System.out.println(result);
```

What is the output of this code fragment?

- A. United-States
- B. United-STATES
- C. UNITED-STATES
- D. -UnitedStates
- E. -UNITEDSTATES
- F. -UnitedSTATES
- G. UnitedStates

Answer: F

NEW QUESTION 48

Given: java

```
var now = LocalDate.now();
```

```
var format1 = new DateTimeFormatter(ISO_WEEK_DATE); var format2 = DateTimeFormatter.ISO_WEEK_DATE;
```

```
var format3 = new DateFormat(WEEK_OF_YEAR_FIELD);
```

```
var format4 = DateFormat.getDateInstance(WEEK_OF_YEAR_FIELD);
```

```
System.out.println(now.format(REPLACE_HERE));
```

Which variable prints 2025-W01-2 (present-day is 12/31/2024)?

- A. format4
- B. format2
- C. format3
- D. format1

Answer: B

NEW QUESTION 53

Which StringBuilder variable fails to compile? java

```
public class StringBuilderInstantiations {  
    public static void main(String[] args) { var stringBuilder1 = new StringBuilder();  
    var stringBuilder2 = new StringBuilder(10);  
    var stringBuilder3 = new StringBuilder("Java");  
    var stringBuilder4 = new StringBuilder(new char[]{'J', 'a', 'v', 'a'});  
    }  
}
```

- A. None of them
- B. stringBuilder4
- C. stringBuilder1
- D. stringBuilder3
- E. stringBuilder2

Answer: B

NEW QUESTION 54

Given: java

```
interface Calculable { long calculate(int i);  
}
```

```
public class Test {
```

```
    public static void main(String[] args) { Calculable c1 = i -> i + 1; // Line 1  
    Calculable c2 = i -> Long.valueOf(i); // Line 2  
    Calculable c3 = i -> { throw new ArithmeticException(); }; // Line 3
```

```
    }  
}
```

Which lines fail to compile?

- A. Line 1 and line 3
- B. Line 2 only
- C. Line 1 only
- D. Line 1 and line 2
- E. Line 2 and line 3
- F. Line 3 only
- G. The program successfully compiles

Answer: G

NEW QUESTION 58

Given: java
Object myVar = 0;
String print = switch (myVar) { case int i -> "integer";
case long l -> "long"; case String s -> "string"; default -> "";
};
System.out.println(print); What is printed?

- A. integer
- B. long
- C. string
- D. nothing
- E. It throws an exception at runtime.
- F. Compilation fails.

Answer: F

NEW QUESTION 63

Given: java
var ceo = new HashMap<>(); ceo.put("Sundar Pichai", "Google"); ceo.put("Tim Cook", "Apple"); ceo.put("Mark Zuckerberg", "Meta"); ceo.put("Andy Jassy", "Amazon"); Does the code compile?

- A. True
- B. False

Answer: B

NEW QUESTION 68

Given: java
Object input = 42;
String result = switch (input) {
case String s -> "It's a string with value: " + s; case Double d -> "It's a double with value: " + d; case Integer i -> "It's an integer with value: " + i;
};
System.out.println(result); What is printed?

- A. null
- B. It's a string with value: 42
- C. It's a double with value: 42
- D. It's an integer with value: 42
- E. It throws an exception at runtime.
- F. Compilation fails.

Answer: F

NEW QUESTION 70

Given: java
Map<String, Integer> map = Map.of("b", 1, "a", 3, "c", 2); TreeMap<String, Integer> treeMap = new TreeMap<>(map); System.out.println(treeMap);
What is the output of the given code fragment?

- A. {c=2, a=3, b=1}
- B. {b=1, a=3, c=2}
- C. {b=1, c=2, a=3}
- D. {c=1, b=2, a=3}
- E. Compilation fails
- F. {a=3, b=1, c=2}
- G. {a=1, b=2, c=3}

Answer: F

NEW QUESTION 73

Given: java
var lyrics = ""
Quand il me prend dans ses bras Qu'il me parle tout bas
Je vois la vie en rose "";
for (int i = 0, int j = 3; i < j; i++) { System.out.println(lyrics.lines()
.toList()
.get(i));
}
What is printed?

- A. vbnetQuand il me prend dans ses bras Qu'il me parle tout basJe vois la vie en rose
- B. Nothing
- C. An exception is thrown at runtime.
- D. Compilation fails.

Answer: D

NEW QUESTION 78

```
Given: java
package com.vv;
import java.time.LocalDate; public class FetchService {
public static void main(String[] args) throws Exception { FetchService service = new FetchService();
String ack = service.fetch(); LocalDate date = service.fetch();
System.out.println(ack + " the " + date.toString());
}
public String fetch() { return "ok";
}
public LocalDate fetch() { return LocalDate.now();
}
}
```

What will be the output?

- A. ok the 2024-07-10T07:17:45.523939600
- B. Compilation fails
- C. An exception is thrown
- D. ok the 2024-07-10

Answer: B

NEW QUESTION 82

```
Given: java
double amount = 42_000.00;
NumberFormat format = NumberFormat.getCompactNumberInstance(Locale.FRANCE, NumberFormat.Style.SHORT);
System.out.println(format.format(amount)); What is the output?
```

- A. 42000E
- B. 42 000,00 €
- C. 42000
- D. 42 k

Answer: D

NEW QUESTION 86

```
Given: java
List<Long> cannesFestivalfeatureFilms = LongStream.range(1, 1945)
.boxed()
.toList();
try (var executor = Executors.newVirtualThreadPerTaskExecutor()) { cannesFestivalfeatureFilms.stream()
.limit(25)
.forEach(film -> executor.submit(() -> { System.out.println(film);
}));
}
```

What is printed?

- A. Numbers from 1 to 25 sequentially
- B. Numbers from 1 to 25 randomly
- C. Numbers from 1 to 1945 randomly
- D. An exception is thrown at runtime
- E. Compilation fails

Answer: B

NEW QUESTION 90

```
Given: java
package vehicule.parent;
public class Car {
protected String brand = "Peugeot";
}
and java
package vehicule.child; import vehicule.parent.Car;
public class MiniVan extends Car { public static void main(String[] args) { Car car = new Car();
car.brand = "Peugeot 807"; System.out.println(car.brand);
}
}
```

What is printed?

- A. Peugeot
- B. Peugeot 807
- C. An exception is thrown at runtime.
- D. Compilation fails.

Answer: D

NEW QUESTION 92

```
Given: java
Optional o1 = Optional.empty(); Optional o2 = Optional.of(1); Optional o3 = Stream.of(o1, o2)
.filter(Optional::isPresent)
```

```
.findAny()  
.flatMap(o -> o); System.out.println(o3.orElse(2));
```

What is the given code fragment's output?

- A. 1
- B. 2
- C. Optional.empty
- D. An exception is thrown
- E. Optional[1]
- F. Compilation fails

Answer: A

NEW QUESTION 93

```
Given: java  
public class SpecialAddition extends Addition implements Special { public static void main(String[] args) {  
System.out.println(new SpecialAddition().add());  
}  
int add() {  
return --foo + bar--;  
}  
}  
class Addition { int foo = 1;  
}  
interface Special { int bar = 1;  
}
```

What is printed?

- A. 1
- B. 2
- C. It throws an exception at runtime.
- D. Compilation fails.

Answer: E

NEW QUESTION 97

```
Given: java  
DoubleStream doubleStream = DoubleStream.of(3.3, 4, 5.25, 6.66); Predicate<Double> doublePredicate = d -> d < 5;  
System.out.println(doubleStream.anyMatch(doublePredicate));
```

What is printed?

- A. Compilation fails
- B. true
- C. false
- D. An exception is thrown at runtime
- E. 3.3

Answer: A

NEW QUESTION 98

```
Given: java  
public class BoomBoom implements AutoCloseable { public static void main(String[] args) {  
try (BoomBoom boomBoom = new BoomBoom()) { System.out.print("bim ");  
throw new Exception();  
} catch (Exception e) { System.out.print("boom ");  
}  
}  
@Override  
public void close() throws Exception { System.out.print("bam ");  
throw new RuntimeException();  
}  
}
```

What is printed?

- A. bim boom bam
- B. bim bam boom
- C. bim boom
- D. bim bam followed by an exception
- E. Compilation fails.

Answer: B

NEW QUESTION 101

How would you create a ConcurrentHashMap configured to allow a maximum of 10 concurrent writer threads and an initial capacity of 42? Which of the following options meets this requirement?

- A. `var concurrentHashMap = new ConcurrentHashMap(42);`
- B. None of the suggestions.
- C. `var concurrentHashMap = new ConcurrentHashMap();`
- D. `var concurrentHashMap = new ConcurrentHashMap(42, 10);`

E. `var concurrentHashMap = new ConcurrentHashMap(42, 0.88f, 10);`

Answer: E

NEW QUESTION 104

.....

Relate Links

100% Pass Your 1z0-830 Exam with ExamBible Prep Materials

<https://www.exambible.com/1z0-830-exam/>

Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - <https://www.exambible.com/>