

Oracle

Exam Questions 1z0-830

Java SE 21 Developer Professional



NEW QUESTION 1

Given: java

```
var sList = new CopyOnWriteArrayList<Customer>();
```

Which of the following statements is correct?

- A. The CopyOnWriteArrayList class is a thread-safe variant of ArrayList where all mutative operations are implemented by making a fresh copy of the underlying array.
- B. The CopyOnWriteArrayList class is not thread-safe and does not prevent interference among concurrent threads.
- C. The CopyOnWriteArrayList class's iterator reflects all additions, removals, or changes to the list since the iterator was created.
- D. The CopyOnWriteArrayList class does not allow null elements.
- E. Element-changing operations on iterators of CopyOnWriteArrayList, such as remove, set, and add, are supported and do not throw UnsupportedOperationException.

Answer: A

NEW QUESTION 2

What does the following code print? java

```
import java.util.stream.Stream;
public class StreamReduce {
    public static void main(String[] args) {
        Stream<String> stream = Stream.of("J", "a", "v", "a"); System.out.print(stream.reduce(String::concat));
    }
}
```

- A. Optional[Java]
- B. Java
- C. null
- D. Compilation fails

Answer: A

NEW QUESTION 3

Given: java

```
void verifyNotNull(Object input) { boolean enabled = false;
assert enabled = true; assert enabled;
System.out.println(input.toString()); assert input != null;
}
```

When does the given method throw a NullPointerException?

- A. A NullPointerException is never thrown
- B. Only if assertions are enabled and the input argument is null
- C. Only if assertions are disabled and the input argument is null
- D. Only if assertions are enabled and the input argument isn't null
- E. Only if assertions are disabled and the input argument isn't null

Answer: C

NEW QUESTION 4

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 5

Given:

```
var cabarets = new TreeMap<>(); cabarets.put(1, "Moulin Rouge"); cabarets.put(2, "Crazy Horse"); cabarets.put(3, "Paradis Latin"); cabarets.put(4, "Le Lido");  
cabarets.put(5, "Folies Berg??re");  
System.out.println(cabarets.subMap(2, true, 5, false));
```

What is printed?

- A. CopyEdit{2=Crazy Horse, 3=Paradis Latin, 4=Le Lido, 5=Folies Berg??re}
- B. {2=Crazy Horse, 3=Paradis Latin, 4=Le Lido}
- C. {}
- D. An exception is thrown at runtime.
- E. Compilation fails.

Answer: B

NEW QUESTION 6

Which of the following java.io.Console methods doesnotexist?

- A. read()
- B. reader()
- C. readLine()
- D. readLine(String fmt, Object... args)
- E. readPassword()
- F. readPassword(String fmt, Object... args)

Answer: A

NEW QUESTION 7

Given: java

```
Period p = Period.between( LocalDate.of(2023, Month.MAY, 4),  
LocalDate.of(2024, Month.MAY, 4)); System.out.println(p);  
Duration d = Duration.between( LocalDate.of(2023, Month.MAY, 4),  
LocalDate.of(2024, Month.MAY, 4)); System.out.println(d);
```

What is the output?

- A. P1Y PT8784H
- B. PT8784H P1Y
- C. UnsupportedTemporalTypeException
- D. P1YUnsupportedTemporalTypeException

Answer: D

NEW QUESTION 8

Given: java

```
List<String> abc = List.of("a", "b", "c"); abc.stream()  
.forEach(x -> {  
x = x.toUpperCase();  
});  
abc.stream()  
.forEach(System.out::print);
```

What is the output?

- A. abc
- B. An exception is thrown.
- C. Compilation fails.
- D. ABC

Answer: A

NEW QUESTION 9

You are working on a module named perfumery.shop that depends on another module named perfumery.provider.
The perfumery.shop module should also make its package perfumery.shop.eaudeparfum available to other modules.
Which of the following is the correct file to declare the perfumery.shop module?

- A. File name: module-info.perfumery.shop.javajavamodule perfumery.shop { requires perfumery.provider;exports perfumery.shop.eaudeparfum.*;}
- B. File name: module-info.javajavamodule perfumery.shop { requires perfumery.provider;exports perfumery.shop.eaudeparfum;}
- C. File name: module.javajavamodule shop.perfumery { requires perfumery.provider;exports perfumery.shop.eaudeparfum;}

Answer: B

NEW QUESTION 10

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 10

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 14

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 19

Which of the following isn't a correct way to write a string to a file?

- A. javaPath path = Paths.get("file.txt"); byte[] strBytes = "Hello".getBytes(); Files.write(path, strBytes);
- B. java try (BufferedWriter writer = new BufferedWriter("file.txt")) { writer.write("Hello");}
- C. java try (FileOutputStream outputStream = new FileOutputStream("file.txt")) { byte[] strBytes = "Hello".getBytes(); outputStream.write(strBytes);}
- D. java try (PrintWriter printWriter = new PrintWriter("file.txt")) { printWriter.printf("Hello %s", "James");}
- E. None of the suggestions
- F. java try (FileWriter writer = new FileWriter("file.txt")) { writer.write("Hello");}

Answer: B

NEW QUESTION 20

Which two of the following aren't the correct ways to create a Stream?

- A. Stream stream = Stream.of("a");
- B. Stream stream = Stream.ofNullable("a");
- C. Stream stream = Stream.generate() -> "a");
- D. Stream stream = Stream.of();
- E. Stream stream = new Stream();
- F. Stream<String> stream = Stream.builder().add("a").build();
- G. Stream stream = Stream.empty();

Answer: EF

NEW QUESTION 22

Given: java
record WithInstanceField(String foo, int bar) { double fuz;
}
record WithStaticField(String foo, int bar) { static double wiz;
}
record ExtendingClass(String foo) extends Exception {}
record ImplementingInterface(String foo) implements Cloneable {} Which records compile? (Select 2)

- A. ExtendingClass
- B. WithInstanceField

- C. ImplementingInterface
- D. WithStaticField

Answer: CD

NEW QUESTION 24

What do the following print? java

```
public class Main {  
    int instanceVar = staticVar; static int staticVar = 666;  
    public static void main(String args[]) {  
        System.out.printf("%d %d", new Main().instanceVar, staticVar);  
    }  
    static { staticVar = 42;  
    }  
}
```

- A. 666 42
- B. 666 666
- C. 42 42
- D. Compilation fails

Answer: C

NEW QUESTION 28

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 29

Given: java

```
List<String> l1 = new ArrayList<>(List.of("a", "b"));
```

```
List<String> l2 = new ArrayList<>(Collections.singletonList("c")); Collections.copy(l1, l2);
```

```
l2.set(0, "d"); System.out.println(l1);
```

What is the output of the given code fragment?

- A. [a, b]
- B. [d, b]
- C. [c, b]
- D. An UnsupportedOperationException is thrown
- E. An IndexOutOfBoundsException is thrown
- F. [d]

Answer: C

NEW QUESTION 30

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 35

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 37

What do the following print? java

```
public class DefaultAndStaticMethods { public static void main(String[] args) { WithStaticMethod.print();  
}  
}  
interface WithDefaultMethod { default void print() { System.out.print("default");  
}  
}  
interface WithStaticMethod extends WithDefaultMethod { static void print() {  
System.out.print("static");  
}  
}
```

- A. nothing
- B. default
- C. Compilation fails
- D. static

Answer: D

NEW QUESTION 38

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