

1z0-830 Dumps

Java SE 21 Developer Professional

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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

```
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 3**

Given: java

```
StringBuffer us = new StringBuffer("US"); StringBuffer uk = new StringBuffer("UK"); Stream<StringBuffer> stream = Stream.of(us, uk); String output = stream.collect(Collectors.joining("-", "=", "")); System.out.println(output);
```

 What is the given code fragment's output?

- A. US-UK
- B. An exception is thrown.
- C. -US=UK
- D. =US-UK
- E. Compilation fails.
- F. US=UK

Answer: D**NEW QUESTION 4**

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 5**

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 6**

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 7

Which three of the following are correct about the Java module system?

- A. Code in an explicitly named module can access types in the unnamed module.
- B. The unnamed module exports all of its packages.
- C. If a package is defined in both a named module and the unnamed module, then the package in the unnamed module is ignored.
- D. We must add a module descriptor to make an application developed using a Java version prior to SE9 run on Java 11.
- E. The unnamed module can only access packages defined in the unnamed module.
- F. If a request is made to load a type whose package is not defined in any known module, then the module system will attempt to load it from the classpath.

Answer: BCF

NEW QUESTION 8

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 9

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 10

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 10

Given: java

```
int post = 5; int pre = 5; int postResult = post++ + 10; int preResult = ++pre + 10; System.out.println("postResult: " + postResult + ", preResult: " + preResult + ", Final value of post: " + post + ", Final value of pre: " + pre);
```

 What is printed?

- A. postResult: 15, preResult: 16, Final value of post: 6, Final value of pre: 6
- B. postResult: 16, preResult: 16, Final value of post: 6, Final value of pre: 6
- C. postResult: 15, preResult: 16, Final value of post: 5, Final value of pre: 6
- D. postResult: 16, preResult: 15, Final value of post: 6, Final value of pre: 5

Answer: A

NEW QUESTION 15

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 20

Consider the following methods to load an implementation of `MyService` using `ServiceLoader`. Which of the methods are correct? (Choose all that apply)

- A. `MyService service = ServiceLoader.load(MyService.class).iterator().next();`
- B. `MyService service = ServiceLoader.load(MyService.class).findFirst().get();`
- C. `MyService service = ServiceLoader.getService(MyService.class);`
- D. `MyService service = ServiceLoader.services(MyService.class).getFirstInstance();`

Answer: AB

NEW QUESTION 21

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 25

Given: java

```
List<Integer> integers = List.of(0, 1, 2); integers.stream()  
.peek(System.out::print)  
.limit(2)  
.forEach(i -> {});
```

What is the output of the given code fragment?

- A. Compilation fails
- B. An exception is thrown
- C. 01
- D. 012
- E. Nothing

Answer: C

NEW QUESTION 29

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 31

Given: java

```
CopyOnWriteArrayList<String> list = new CopyOnWriteArrayList<>(); list.add("A");  
list.add("B");  
list.add("C");  
// Writing in one thread new Thread(() -> {  
list.add("D"); System.out.println("Element added: D");  
}).start();  
// Reading in another thread new Thread(() -> {  
for (String element : list) { System.out.println("Read element: " + element);  
}
```

```
}).start();
```

What is printed?

- A. It prints all elements, including changes made during iteration.
- B. It prints all elements, but changes made during iteration may not be visible.
- C. It throws an exception.
- D. Compilation fails.

Answer: B

NEW QUESTION 36

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 46

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

```
ExecutorService service = Executors.newFixedThreadPool(2); Runnable task = () -> System.out.println("Task is complete");  
service.submit(task); service.shutdown(); service.submit(task);
```

What happens when executing the given code fragment?

- A. It prints "Task is complete" once and throws an exception.
- B. It prints "Task is complete" twice and throws an exception.
- C. It exits normally without printing anything to the console.
- D. It prints "Task is complete" twice, then exits normally.
- E. It prints "Task is complete" once, then exits normally.

Answer: A

NEW QUESTION 50

Given: java

```
import java.io.*;  
class A implements Serializable { int number = 1;  
}
```

```
class B implements Serializable { int number = 2;
}
public class Test {
public static void main(String[] args) throws Exception { File file = new File("o.ser");
A a = new A();
var oos = new ObjectOutputStream(new FileOutputStream(file)); oos.writeObject(a);
oos.close();
var ois = new ObjectInputStream(new FileInputStream(file));
B b = (B) ois.readObject(); ois.close(); System.out.println(b.number);
}
}
```

What is the given program's output?

- A. 1
- B. 2
- C. Compilation fails
- D. ClassCastException
- E. NotSerializableException

Answer: D

NEW QUESTION 55

Given: java

```
LocalDate localDate = LocalDate.of(2020, 8, 8); Date date = java.sql.Date.valueOf(localDate);
DateFormat formatter = new SimpleDateFormat(/* pattern */); String output = formatter.format(date); System.out.println(output);
It's known that the given code prints out "August 08". Which of the following should be inserted as the pattern?
```

- A. MM d
- B. MM dd
- C. MMMM dd
- D. MMM dd

Answer: C

NEW QUESTION 60

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 61

Which of the following can be the body of a lambda expression?

- A. Two statements
- B. An expression and a statement
- C. A statement block
- D. None of the above
- E. Two expressions

Answer: C

NEW QUESTION 65

Given: java

```
final Stream<String> strings = Files.readAllLines(Paths.get("orders.csv")); strings.skip(1)
.limit(2)
.forEach(System.out::println);
```

And that the orders.csv file contains: mathematica

```
OrderID, Customer, Product, Quantity, Price 1, Kylian Mbapp??, Keyboard, 2, 25.50 2, Teddy Riner, Mouse, 1, 15.99 3, Sebastien Loeb, Monitor, 1, 199.99 4, Antoine
Griezmann, Headset, 3, 45.00 What is printed?
```

- A. arduino1, Kylian Mbapp??, Keyboard, 2, 25.50 2, Teddy Riner, Mouse, 1, 15.993, Sebastien Loeb, Monitor, 1, 199.99 4, Antoine Griezmann, Headset, 3, 45.00
- B. arduino1, Kylian Mbapp??, Keyboard, 2, 25.50 2, Teddy Riner, Mouse, 1, 15.99
- B. arduino2, Teddy Riner, Mouse, 1, 15.99 3, Sebastien Loeb, Monitor, 1, 199.99
- C. An exception is thrown at runtime.
- D. Compilation fails.

Answer: DE

NEW QUESTION 66

```
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 67

```
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 70

```
Given: java
interface A {
default void ma() {
}
}
interface B extends A { static void mb() {
}
}
interface C extends B { void ma();
void mc();
}
interface D extends C { void md();
}
interface E extends D { default void ma() {
}
default void mb() {
}
default void mc() {
}
}
```

Which interface can be the target of a lambda expression?

- A. None of the above
- B. C
- C. A
- D. E
- E. B
- F. D

Answer: A

NEW QUESTION 73

```
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 74

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 75

Given: java
var deque = new ArrayDeque<>(); deque.add(1);
deque.add(2);
deque.add(3);
deque.add(4);
deque.add(5); System.out.print(deque.peek() + " "); System.out.print(deque.poll() + " "); System.out.print(deque.pop() + " "); System.out.print(deque.element() + " ");
What is printed?

- A. 1 1 1 1
- B. 1 5 5 1
- C. 1 1 2 3
- D. 1 1 2 2
- E. 5 5 2 3

Answer: C

NEW QUESTION 78

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 80

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 81

Given:

```
java  
interface SmartPhone { boolean ring();  
}  
class Iphone15 implements SmartPhone { boolean isRinging;  
boolean ring() { isRinging = !isRinging; return isRinging;  
}  
}
```

Choose the right statement.

- A. Iphone15 class does not compile
- B. Everything compiles
- C. SmartPhone interface does not compile
- D. An exception is thrown at running Iphone15.ring();

Answer: A

NEW QUESTION 82

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 87

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