



Oracle

Exam Questions 1z0-830

Java SE 21 Developer Professional

NEW QUESTION 1

Given a properties file on the classpath named Person.properties with the content: ini

name=James And:

```
java
public class Person extends ListResourceBundle { protected Object[][] getContents() {
return new Object[][]{
{"name", "Jeanne"}
};
}
}
And: java
public class Test {
public static void main(String[] args) {
ResourceBundle bundle = ResourceBundle.getBundle("Person"); String name = bundle.getString("name"); System.out.println(name);
}
}
```

What is the given program's output?

- A. MissingResourceException
- B. Compilation fails
- C. James
- D. JeanneJames
- E. JamesJeanne
- F. Jeanne

Answer: F

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. nginxHall 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

```
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 5

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 6

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 7

Which of the following statements are correct?

- A. You can use 'private' access modifier with all kinds of classes
- B. You can use 'protected' access modifier with all kinds of classes
- C. You can use 'public' access modifier with all kinds of classes
- D. You can use 'final' modifier with all kinds of classes
- E. None

Answer: E

NEW QUESTION 8

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. UnsupportedOperationException
- D. P1YUnsupportedOperationException

Answer: D

NEW QUESTION 9

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 10

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 10

Which of the following statements of local variables declared with var are invalid?
(Choose 4)

- A. var a = 1; (Valid: var correctly infers int)
- B. var b = 2, c = 3.0;
- C. var d[] = new int[4];
- D. var e;
- E. var f = { 6 };
- F. var h = (g = 7);

Answer: BCDE

NEW QUESTION 12

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 16

Given: java
var _ = 3; var \$ = 7;
System.out.println(_ + \$); What is printed?

- A. 10
- B. _\$
- C. It throws an exception.
- D. Compilation fails.

Answer: D

NEW QUESTION 21

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 23

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 28

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 30

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 32

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 35

Which of the following methods of java.util.function.Predicate are default methods?

- A. and(Predicate<? super T> other)
- B. isEqual(Object targetRef)
- C. negate()
- D. not(Predicate<? super T> target)
- E. or(Predicate<? super T> other)
- F. test(T t)

Answer: ACE

NEW QUESTION 37

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.getInstance(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 42

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 43

Which of the following doesnotexist?

- A. BooleanSupplier
- B. DoubleSupplier
- C. LongSupplier
- D. Supplier<T>
- E. BiSupplier<T, U, R>
- F. They all exist.

Answer: E

NEW QUESTION 48

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 50

Given: java

```
public class OuterClass {  
    String outerField = "Outer field"; class InnerClass {  
        void accessMembers() { System.out.println(outerField);  
    }  
}  
public static void main(String[] args) { System.out.println("Inner class:"); System.out.println("-----");  
    OuterClass outerObject = new OuterClass(); InnerClass innerObject = new InnerClass(); // n1 innerObject.accessMembers(); // n2  
    }  
}
```

What is printed?

- A. markdown Inner class:-----Outer field
- B. Nothing
- C. An exception is thrown at runtime.
- D. Compilation fails at line n1.
- E. Compilation fails at line n2.

Answer: D

NEW QUESTION 53

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. vbnnetQuand 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 56

Given: java
public class Test {
public static void main(String[] args) throws IOException { Path p1 = Path.of("f1.txt");
Path p2 = Path.of("f2.txt"); Files.move(p1, p2); Files.delete(p1);
}
}
In which case does the given program throw an exception?

- A. Neither files f1.txt nor f2.txt exist
- B. Both files f1.txt and f2.txt exist
- C. An exception is always thrown
- D. File f2.txt exists while file f1.txt doesn't
- E. File f1.txt exists while file f2.txt doesn't

Answer: C

NEW QUESTION 60

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 62

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 67

Which of the following statements is correct about a final class?

- A. The final keyword in its declaration must go right before the class keyword.
- B. It must contain at least a final method.
- C. It cannot be extended by any other class.
- D. It cannot implement any interface.
- E. It cannot extend another class.

Answer: C

NEW QUESTION 69

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 70

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 75

Given: java

```
var array1 = new String[]{ "foo", "bar", "buz" };
```

```
var array2[] = { "foo", "bar", "buz" };
```

```
var array3 = new String[3] { "foo", "bar", "buz" };
```

```
var array4 = { "foo", "bar", "buz" };
```

```
String array5[] = new String[]{ "foo", "bar", "buz" }; Which arrays compile? (Select 2)
```

- A. array1
- B. array2
- C. array3
- D. array4
- E. array5

Answer: AE

NEW QUESTION 77

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 82

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 87

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