

Oracle

Exam Questions 1z0-830

Java SE 21 Developer Professional



NEW QUESTION 1

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 2

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 3

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 4

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 5

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 6

What is the output of the following snippet? (Assume the file exists) java
Path path = Paths.get("C:\\home\\joe\\foo"); System.out.println(path.getName(0));

- A. C:
- B. IllegalArgumentException
- C. C
- D. Compilation error
- E. home

Answer: E

NEW QUESTION 7

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 8

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 9

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 10

Given: java
try (FileOutputStream fos = new FileOutputStream("t.tmp"); ObjectOutputStream oos = new ObjectOutputStream(fos)) { fos.write("Today");
fos.writeObject("Today"); oos.write("Today"); oos.writeObject("Today");
} catch (Exception ex) {
// handle exception
}
Which statement compiles?

- A. fos.write("Today");
- B. fos.writeObject("Today");
- C. oos.write("Today");
- D. oos.writeObject("Today");

Answer: D

NEW QUESTION 10

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 13

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 16

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 20

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 24

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 29

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 34

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

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 41

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