

# Oracle

## Exam Questions 1Z0-819

Java SE 11 Developer



**NEW QUESTION 1**

Assuming the Widget class has a getPrice method, this code does not compile:

```
List widgets = List.of(new Widget("Basic Widget", 19.55), // line 1
                      new Widget("Enhanced Widget", 35.00),
                      new Widget("Luxury Edition Widget", 55.45));
Stream widgetStream = widgets.stream(); // line 4
widgetStream.filter(a -> a.getPrice() > 20.00) // line 5
              .forEach(System.out::println);
```

Which two statements, independently, would allow this code to compile? (Choose two.)

- A. Replace line 5 with widgetStream.filter(a -> ((Widget)a).getPrice() > 20.00).
- B. Replace line 1 with List<Widget> widgetStream = widgets.stream();.
- C. Replace line 5 with widgetStream.filter((Widget a) -> a.getPrice() > 20.00).
- D. Replace line 4 with Stream<Widget> widgetStream = widgets.stream();.

**Answer:** AD

**NEW QUESTION 2**

Which interface in the java.util.function package will return a void return type?

- A. Supplier
- B. Predicate
- C. Function
- D. Consumer

**Answer:** D

**NEW QUESTION 3**

A bookstore's sales are represented by a list of Sale objects populated with the name of the customer and the books they purchased.

```
public class Sale { private String customer;
private List<Book> items;
// constructor, setters and getters not shown
}
public class Book { private String name; private double price;
// constructor, setters and getters not shown
}
```

Given a list of Sale objects, tList, which code fragment creates a list of total sales for each customer in ascending order?

- A. 

```
List<String> totalByUser = tList.stream()
    .collect(flatMapping(t -> t.getItems().stream(),
                        groupingBy(Sale::getCustomer,
                                summingDouble(Book::getPrice))))
    .entrySet().stream()
    .sorted(Comparator.comparing(Entry::getValue))
    .collect(mapping(e -> e.getKey() + ":" + e.getValue(),toList()));
```
- B. 

```
List<String> totalByUser = tList.stream()
    .collect(groupingBy(Sale::getCustomer,
                        flatMapping(t -> t.getItems().stream(),
                                summingDouble(Book::getPrice))))
    .sorted(Comparator.comparing(Entry::getValue))
    .collect(mapping(e -> e.getKey() + ":" + e.getValue(),toList()));
```
- C. 

```
List<String> totalByUser = tList.stream()
    .collect(groupingBy(Sale::getCustomer,
                        flatMapping(t -> t.getItems().stream(),
                                summingDouble(Book::getPrice))))
    .entrySet().stream()
    .sorted(Comparator.comparing(Entry::getValue))
    .collect(mapping(e -> e.getKey() + ":" + e.getValue(),toList()));
```
- D. 

```
List<String> totalByUser = tList.stream()
    .collect(flatMapping(t -> t.getItems().stream(),
                        groupingBy(Sale::getCustomer,
                                summingDouble(Book::getPrice))))
    .sorted(Comparator.comparing(Entry::getValue))
    .collect(mapping(e -> e.getKey() + ":" + e.getValue(),toList()));
```

- A. Option A
- B. Option B
- C. Option C

D. Option D

**Answer:** C

#### NEW QUESTION 4

Given:

```
public class A {  
    private boolean checkValue(int val) {  
        return true;  
    }  
}
```

and

```
public class B extends A {  
    public int modifyVal(int val) {  
        if(checkValue(val)) {  
            return val;  
        } else {  
            return 0;  
        }  
    }  
    public static void Main(String[] args) {  
        B b = new B();  
        System.out.println(b.modifyVal(10));  
    }  
}
```

What is the result?

- A. nothing
- B. It fails to compile.
- C. A java.lang.IllegalArgumentException is thrown.
- D. 10

**Answer:** B

**Explanation:**

```

1 - public class A {
2 -     private boolean checkValue(int val) {
3         return true;
4     }
5 }
6 and
7 - public class B extends A {
8 -     public int modifyVal(int val) {
9 -         if(checkValue(val)) {
10            return val;
11 -         } else {
12            return 0;
13         }
14     }
15 -     public static void Main(String[] args) {
16         B b = new B();
17         system.out.println(b.modfiyVal (10));
18     }
19 }

```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

CommandLine Arguments

Result

CPU Time: sec(s), Memory: kilobyte(s)

```

/A.java:6: error: class, interface, or enum expected
and
^
1 error

```

#### NEW QUESTION 5

Given the code fragment:

```

Path currentFile = Paths.get("/scratch/exam/temp.txt"); Path outputFile = Paths.get("/scratch/exam/new.txt"); Path directory = Paths.get("/scratch/");
Files.copy(currentFile, outputFile); Files.copy(outputFile, directory);
Files.delete (outputFile);

```

The /scratch/exam/temp.txt file exists. The /scratch/exam/new.txt and /scratch/new.txt files do not exist. What is the result?

- A. /scratch/exam/new.txt and /scratch/new.txt are deleted.
- B. The program throws a FileAlreadyExistsException.
- C. The program throws a NoSuchFileException.
- D. A copy of /scratch/exam/new.txt exists in the /scratch directory and /scratch/exam/new.txt is deleted.

Answer: C

Explanation:

```

27 public class Main {
28     public static void main(String[] args) {
29         Path currentFile = Paths.get("/scratch/exam/temp.txt");
30         Path outputFile = Paths.get("/scratch/exam/new.txt");
31         Path directory = Paths.get("/scratch/");
32
33         Files.copy(currentFile, outputFile);
34         Files.copy(outputFile, directory);
35         Files.delete (outputFile);
36     }
37 }
38

```

#### NEW QUESTION 6

Given:



```
int arr[][] = {{5,10},{8,12},{9,3}};
long count = Stream.of(arr)
    .flatMapToInt(IntStream::of)
    .map(n -> n + 1)
    .filter(n -> (n % 2 == 0))
    .peek(System.out::print)
    .count();

System.out.println(" " + count);
```

What is the result?

- A. 6910 3
- B. 10126 3
- C. 3
- D. 6104 3

**Answer: D**

**Explanation:**

```
1  import java.util.*;
2  import java.io.*;
3  import java.lang.Thread;
4  import java.util.ArrayList;
5  import java.util.LinkedList;
6  import java.util.List;
7  import java.util.function.Consumer;
8  import java.util.stream.Stream;
9  import java.util.stream.IntStream;
10
11
12 - public class Main {
13
14 -     public static void main(String[] args) {
15         int arr[][] = {{5,10}, {8,12}, {9,3}};
16         long count = Stream.of(arr)
17             .flatMapToInt(IntStream::of)
18             .map(n -> n + 1)
19             .filter(n -> (n % 2 == 0))
20             .peek(System.out::print)
21             .count();
22         System.out.println(" " + count);
23     }
24 }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

CommandLine Arguments

Result

CPU Time: 0.32 sec(s), Memory: 34220 kilobyte(s)

**6104 3**

#### NEW QUESTION 7

Given the formula to calculate a monthly mortgage payment:

$$M = P \frac{r(1+r)^n}{(1+r)^n - 1}$$

and these declarations:

```
double m;           //monthly payment
double r = 0.05/12; //monthly interest rate
int p = 100_000;     //principal
int n = 180;         //number of payments
```

How can you code the formula?

- A. `m = p * (r * Math.pow(1 + r, n) / (Math.pow(1 + r, n) - 1));`
- B. `m = p * ((r * Math.pow(1 + r, n) / (Math.pow(1 + r, n)) - 1));`
- C. `m = p * r * Math.pow(1 + r, n) / Math.pow(1 + r, n) - 1;`
- D. `m = p * (r * Math.pow(1 + r, n) / Math.pow(1 + r, n) - 1);`

**Answer:** A

#### NEW QUESTION 8

Given the code fragment:

```
public static void main(String[] args) {
    List<Integer> even = List.of();
    even.add(0, -1);
    even.add(0, -2);
    even.add(0, -3);
    System.out.println(even);
}
```

What is the output?

- A. The compilation fail
- B. [-1, -2, -3]
- C. [-3, -2, -1]
- D. A runtime exception is thrown.

**Answer:** D

#### NEW QUESTION 9

Consider this method declaration:

```
void setSessionUser(Connection conn, String user) throws SQLException {
    Statement stmt = conn.createStatement();
    String sql = <EXPRESSION>;
    stmt.execute();
}
```

- A) "SET SESSION AUTHORIZATION " + user
- B) "SET SESSION AUTHORIZATION " + stmt.enquoteIdentifier(user) Is A or B the correct replacement for <EXPRESSION> and why?

- A. A, because it sends exactly the value of user provided by the calling code.
- B. B, because enquoting values provided by the calling code prevents SQL injection.
- C. A and B are functionally equivalent.
- D. A, because it is unnecessary to enclose identifiers in quotes.
- E. B, because all values provided by the calling code should be enquoted.

**Answer:** A

#### NEW QUESTION 10

Given:

```
public class Person {
    private String name;
    public void setName(String name) {
        String title = "Dr. ";
        name = title+name;
    }
    public String toString() {
        return name;
    }
}
```

and

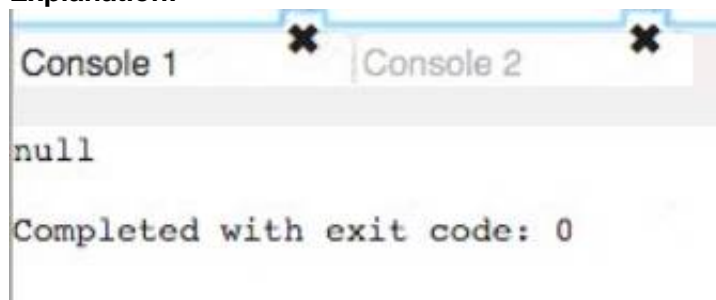
```
public class Test {
    public static void main(String args[]) {
        Person p = new Person();
        p.setName("Who");
        System.out.println(p);
    }
}
```

What is the result?

- A. D
- B. Who
- C. Dr
- D. Null
- E. An exception is thrown at runtime.
- F. null

**Answer:** D

**Explanation:**



#### NEW QUESTION 10

Given:

```
1. public class Secret {
2.     String[] names;
3.     public Secret(String[] names) {
4.         this.names = names;
5.     }
6.     public String[] getNames() {
7.         return names;
8.     }
9. }
```

Which three actions implement Java SE security guidelines? (Choose three.)

- A. Change line 7 to return names.clone();.
- B. Change line 4 to this.names = names.clone();.
- C. Change the getNames() method name to get\$Names().
- D. Change line 6 to public synchronized String[] getNames() {.
- E. Change line 2 to private final String[] names;.
- F. Change line 3 to private Secret(String[] names) {.
- G. Change line 2 to protected volatile String[] names;.

**Answer:** EFG

#### NEW QUESTION 12

Given:

```
public class DNASynth {
    int aCount;
    int tCount;
    int cCount;
    int gCount;

    DNASynth(int a, int tCount, int c, int g){
        // line 1
    }
    int setCCount(int c){
        return c;
    }
    void setGCount(int gCount){
        this.gCount = gCount;
    }
}
```

Which two lines of code when inserted in line 1 correctly modifies instance variables? (Choose two.)

- A. setCCount(c) = cCount;
- B. tCount = tCount;
- C. setGCount(g);
- D. cCount = setCCount(c);
- E. aCount = a;

**Answer:** BE

#### NEW QUESTION 16

Given the code fragment:

```
int x = 0;
do {
    x++;
    if (x == 1) {
        continue;
    }
    System.out.println(x);
} while(x < 1);
```

What is the result?

- A. 01
- B. 1
- C. The program prints nothing.
- D. It prints 1 in the infinite loop.

**Answer:** D

#### NEW QUESTION 19

Which statement about a functional interface is true?

- A. It must be defined with the public access modifier.
- B. It must be annotated with @FunctionalInterface.
- C. It is declared with a single abstract method.
- D. It is declared with a single default method.
- E. It cannot have any private methods and static methods.

**Answer:** C

#### NEW QUESTION 22

Given:

```
var i = 10;
var j = 5;
i += (j * 5 + j) / i - 2;
System.out.println(i);
```

What is the result?

- A. 5
- B. 3
- C. 23
- D. 25
- E. 11



Answer: E

### NEW QUESTION 23

Which two statements are correct about modules in Java? (Choose two.)

- A. java.base exports all of the Java platforms core packages.
- B. module-info.java can be placed in any folder inside module-path.
- C. A module must be declared in module-info.java file.
- D. module-info.java cannot be empty.
- E. By default, modules can access each other as long as they run in the same folder.

Answer: AC

### NEW QUESTION 25

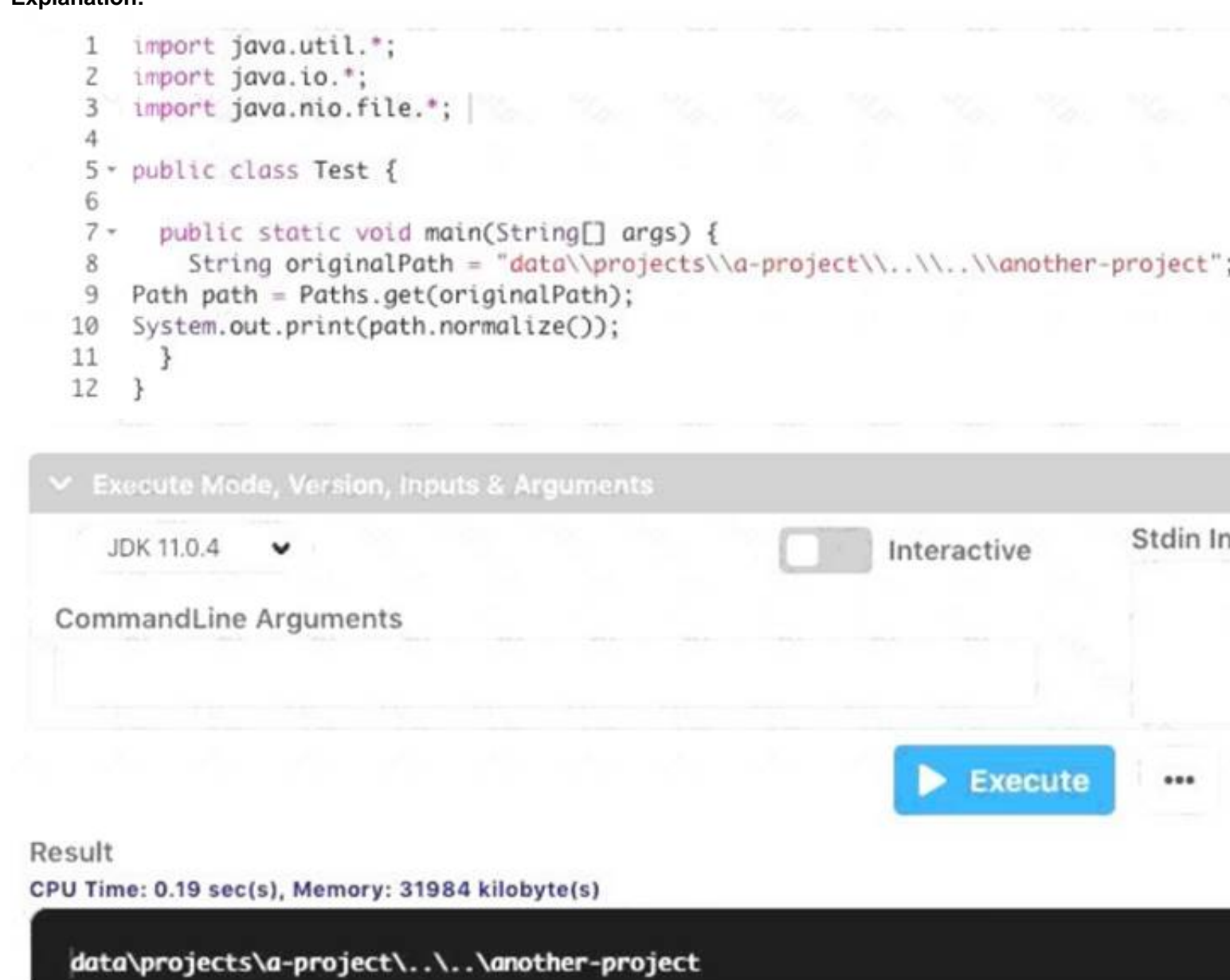
Given:

String originalPath = "data\\projects\\a-project\\..\\..\\another-project"; Path path = Paths.get(originalPath); System.out.print(path.normalize());  
 What is the result?

- A. data\\another-project
- B. data\\projects\\a-project\\another-project
- C. data\\projects\\a-project\\..\\..\\another-project
- D. data\\projects\\a-project\\..\\..\\another-project

Answer: D

Explanation:



```

1  import java.util.*;
2  import java.io.*;
3  import java.nio.file.*;
4
5  public class Test {
6
7      public static void main(String[] args) {
8          String originalPath = "data\\projects\\a-project\\..\\..\\another-project";
9          Path path = Paths.get(originalPath);
10         System.out.print(path.normalize());
11     }
12 }
    
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4 ☐ Interactive Stdin Input

CommandLine Arguments

**Execute**

**Result**  
 CPU Time: 0.19 sec(s), Memory: 31984 kilobyte(s)

**data\\projects\\a-project\\..\\..\\another-project**

### NEW QUESTION 28

Assume ds is a DataSource and the EMP table is defined appropriately.

```

try (Connection conn = ds.getConnection();
     PreparedStatement ps = conn.prepareStatement("INSERT INTO EMP VALUES(?, ?, ?)")) {
    ps.setObject(1, 101, JDBCType.INTEGER);
    ps.setObject(2, "SMITH", JDBCType.VARCHAR);
    ps.setObject(3, "HR", JDBCType.VARCHAR);
    ps.executeUpdate();
    ps.setInt(1, 102);
    ps.setString(2, "JONES");
    ps.executeUpdate();
}
    
```

What does executing this code fragment do?

- A. inserts two rows (101, 'SMITH', 'HR') and (102, 'JONES', NULL)
- B. inserts two rows (101, 'SMITH', 'HR') and (102, 'JONES', 'HR')
- C. inserts one row (101, 'SMITH', 'HR')
- D. throws a SQLException

**Answer:** C

#### NEW QUESTION 32

Which two are successful examples of autoboxing? (Choose two.)

- A. String a = "A";
- B. Integer e = 5;
- C. Float g = Float.valueOf(null);
- D. Double d = 4;
- E. Long c = 23L;
- F. Float f = 6.0;

**Answer:** AB

#### NEW QUESTION 37

Which three initialization statements are correct? (Choose three.)

- A. int x = 12\_34;
- B. short sh = (short)'A';
- C. String contact# = "(+2) (999) (232)";
- D. boolean true = (4 == 4);
- E. float x = 1.99;
- F. int[][] e = {{1,1},{2,2}};
- G. byte b = 10;char c = b;

**Answer:** ABF

#### NEW QUESTION 42

Given:

```
public class Main {  
    public static void main(String[] args) {  
        Consumer consumer = msg -> System.out::print; // line 1  
        consumer.accept("Hello Lambda !");  
    }  
}
```

This code results in a compilation error.

Which code should be inserted on line 1 for a successful compilation?

- A. Consumer consumer = msg -> { return System.out.print(msg); };
- B. Consumer consumer = var arg > {System.out.print(arg);};
- C. Consumer consumer = (String args) > System.out.print(args);
- D. Consumer consumer = System.out::print;

**Answer:** D

**Explanation:**

```

1  import java.util.*;
2  import java.io.*;
3  import java.nio.file.*;
4  import java.util.List;
5  import java.util.function.Consumer;
6
7  public class Main {
8
9      public static void main(String[] args) {
10         Consumer consumer = System.out::print;
11         consumer.accept("Hello Lambda !");
12     }
13 }

```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

CommandLine Arguments

Result

CPU Time: 0.16 sec(s), Memory: 32896 kilobyte(s)

Hello Lambda !

#### NEW QUESTION 43

Which two are functional interfaces? (Choose two.)

- A. `@FunctionalInterface`  
`interface MyRunnable {`  
 `public void run();`  
`}`
- B. `@FunctionalInterface`  
`interface MyRunnable {`  
 `public void run();`  
 `public void call();`  
`}`
- C. `interface MyRunnable {`  
 `public default void run() {}`  
 `public void run(String s);`  
`}`
- D. `@FunctionalInterface`  
`interface MyRunnable {`  
`}`
- E. `interface MyRunnable {`  
 `@FunctionalInterface`  
 `public void run();`  
`}`

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: CE

#### NEW QUESTION 46

Given:

```
package test;
import java.time.*;
public class Diary {
    private LocalDate now = LocalDate.now();
    public LocalDate getDate() {
        return now;
    }
}
```

and

```
package test;
public class Tester {
    public static void main(String[] args) {
        Diary d = new Diary();
        System.out.println(d.getDate());
    }
}
```

Which statement is true?

- A. Class Tester does not need to import java.time.LocalDate because it is already visible to members of the package test.
- B. All classes from the package java.time are loaded for the class Diary.
- C. Only LocalDate class from java.time package is loaded.
- D. Tester must import java.time.LocalDate in order to compile.

**Answer: A**

#### NEW QUESTION 49

Given:

```
public class Main {
    public static void main(String[] args) {
        try (BufferedReader br = new BufferedReader(new InputStreamReader(System.in));) {
            String input = br.readLine();
            System.out.println ("Input String was: " + input);
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

Which is true?

- A. System.out is the standard output stream.
- B. The stream is open only when System.out is called.
- C. System.in cannot reassign the other stream.
- D. System.out is an instance of java.io.OutputStream by default.
- E. System.in is the standard input stream.
- F. The stream is already open.

**Answer: D**

#### NEW QUESTION 53

Given:



```
public class Main {
    public static void main(String[] args) {
        Thread t1 = new Thread(new MyThread());
        Thread t2 = new Thread(new MyThread());
        Thread t3 = new Thread(new MyThread());

        t1.start();
        t2.run();
        t3.start();

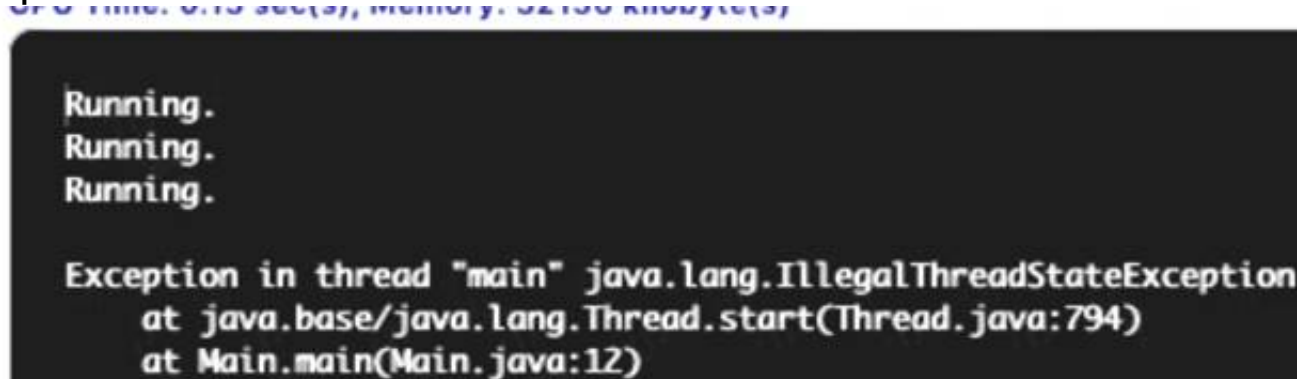
        t1.start();
    }
}
class MyThread implements Runnable {
    public void run() {
        System.out.println("Running.");
    }
}
```

Which one is correct?

- A. An `IllegalThreadStateException` is thrown at run time.
- B. Three threads are created.
- C. The compilation fails.
- D. Four threads are created.

**Answer:** A

**Explanation:**



```
Running.
Running.
Running.

Exception in thread "main" java.lang.IllegalThreadStateException
at java.base/java.lang.Thread.start(Thread.java:794)
at Main.main(Main.java:12)
```

#### NEW QUESTION 57

Given:

```
public class Foo {
    private void print() {
        System.out.println("Bonjour le monde!");
    }
    public void foo() {
        print();
    }
}

public class Bar extends Foo {
    private void print() {
        System.out.println("Hello world!");
    }
    public void bar() {
        print();
    }
    public static void main(String... args) {
        Bar b = new Bar();
        b.foo();
        b.bar();
    }
}
```

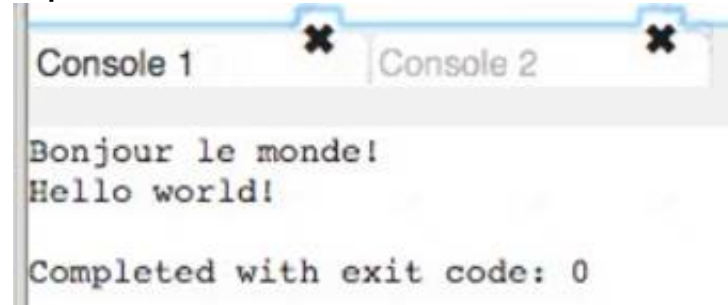
What is the output?

- A. Hello world!Bonjour le monde!
- B. Hello world!Hello world!
- C. Bonjour le monde!Hello world!

D. Bonjour le monde!Bonjour le monde!

**Answer:** C

**Explanation:**



#### NEW QUESTION 58

Given:

```
public interface EulerInterface {
    double getEulerValue();
}

public class EulerLambda {
    public static void main(String[] args) {
        EulerInterface myEulerInterface;
        myEulerInterface = () -> "2.71828";
        System.out.println("Value of Euler = " + myEulerInterface.getEulerValue());
    }
}
```

What is the result?

- A. It throws a runtime exception.
- B. Value of Euler = 2.71828
- C. The code does not compile.
- D. Value of Euler = "2.71828"

**Answer:** C

#### NEW QUESTION 59

Given:

```
public class Main {
    public static void main(String[] args) {
        List l = new ArrayList();
        l.add("hello");
        l.add("world");
        print(l);
    }
    private static void print(List<String>... args) {
        for (List<String> str : args) {
            System.out.println (str);
        }
    }
}
```

Which annotation should be used to remove warnings from compilation?

- A. @SuppressWarnings on the main and print methods
- B. @SuppressWarnings("unchecked") on main and @SafeVarargs on the print method
- C. @SuppressWarnings("rawtypes") on main and @SafeVarargs on the print method
- D. @SuppressWarnings("all") on the main and print methods

**Answer:** B

**Explanation:**

```

13 @SuppressWarnings("unchecked")
14 public class Main {
15
16     public static void main(String[] args) {
17
18         List l = new ArrayList();
19         l.add("Hello");
20         l.add("world");
21         print(l);
22
23     }
24
25     private static void print(List<String>... args) {
26         for (List<String> str : args) {
27             System.out.println (str);
28
29         }
30     }
31     @SafeVarargs
32 }

```

#### NEW QUESTION 62

Given:

```

public class Employee {
    private String name;
    private LocalDate birthday;
    // the constructors, getters, and setters methods go here
}

```

and

```

List<Employee> roster = new ArrayList<>();
// ...
Predicate<Employee> y = (Employee e) -> e.getBirthday()
    .isBefore(IsoChronology.INSTANCE.date(1989, 1, 1));
Set<String> s1 = roster.stream()
// Line 1

```

Which code fragment on line 1 makes the s1 set contain the names of all employees born before January 1, 1989?

- A. `.collect(Collectors.partitioningBy(y))`  
`.get(true)`  
`.stream()`  
`.map(Employee::getName)`  
`.collect(Collectors.toCollection(TreeSet::new));`
- B. `.collect(Collectors.partitioningBy(y))`  
`.get(true)`  
`.map(Employee::getName)`  
`.collect(Collectors.toSet());`
- C. `.collect(Collectors.partitioningBy(y, Collectors.mapping(`  
`Employee::getName, Collectors.toSet())));`
- D. `.collect(Collectors.partitioningBy(y, Collectors.groupingBy(`  
`Employee::getName, Collectors.toCollection(TreeSet::new))));`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

#### NEW QUESTION 63

Given:



```
public class Main {  
    public static void main(String[] args) {  
        var numbers = List.of(1,2,3,4,5,6,7,8,9,10);  
        Optional<Integer> result = numbers.stream().filter(x -> x % 3 != 0).reduce((i, j)  
-> i + j);  
        result.ifPresent(System.out::print); // line 1  
    }  
}
```

Which is true about line 1?

- A. If the value is not present, a NoSuchElementException is thrown at run time.
- B. It always executes the System.out::print statement.
- C. If the value is not present, a NullPointerException is thrown at run time.
- D. If the value is not present, nothing is done.

**Answer: D**

**Explanation:**

```
1  import java.util.*;  
2  import java.io.*;  
3  import java.lang.Thread;  
4  import java.util.ArrayList;  
5  import java.util.LinkedList;  
6  import java.util.List;  
7  import java.util.function.Consumer;  
8  import java.util.stream.Stream;  
9  import java.util.stream.IntStream;  
10 import java.util.Optional;  
11  
12  
13 public class Main {  
14     public static void main(String[] args) {  
15         var numbers = List.of(1,2,3,4,5,6,7,8,9,10);  
16         Optional<Integer> result = numbers.stream().filter (x -> x % 3 != 0).reduce( (i, j) -> i + j);  
17     }  
18 }  
19 }
```

Result

CPU Time: 0.18 sec(s), Memory: 33380 kilobyte(s)

JDoodle in Action.... Running the program...

#### NEW QUESTION 64

Given:

```
List<String> list = ... ;  
list.forEach( x -> { System.out.println(x); } );
```

What is the type of x?

- A. char
- B. List<Character>
- C. String
- D. List<String>

**Answer: C**

#### NEW QUESTION 66

Which two modules include APIs in the Java SE Specification? (Choose two.)

- A. java.logging
- B. java.desktop
- C. javafx
- D. jdk.httpserver
- E. jdk.jartool

**Answer: AD**

#### NEW QUESTION 68

Given:



```
public class Sportscar extends Automobile{
    private float turbo;

    ....
    public void setTurbo (float turbo){
        this.turbo = turbo;
    }
}
```

What is known about the Sportscar class?

- A. The Sportscar class is a subclass of Automobile and inherits its methods.
- B. The Sportscar subclass cannot override setTurbo method from the superclass Automobile.
- C. The Sportscar class is a superclass that has more functionality than the Automobile class.
- D. The Sportscar class inherits the setTurbo method from the superclass Automobile.

**Answer:** A

#### NEW QUESTION 70

Given:

```
List<Reader> dataFiles = new ArrayList<>();
File indexFile = new File("MyIndex.idx");
try (BufferedReader indexReader =
    new BufferedReader(new FileReader(indexFile))) {
    for(String file = indexReader.readLine(); file != null;
        file = indexReader.readLine()) {
        BufferedReader dataReader = new BufferedReader (
            new FileReader(new File(file))); // Line 1
        dataFiles.add(dataReader); // Line 2
        processData(dataReader); // Line 3
    }
} catch (IOException ex) {
    ...
} finally {
    for(Reader r : dataFiles) {
        try {
            r.close();
        } catch (IOException ex) {
            ...
        } // Line 4
    }
}
```

What will secure this code from a potential Denial of Service condition?

- A. After Line 4, add indexReader.close().
- B. On Line 3, enclose processData(dataReader) with try with resources.
- C. After Line 3, add dataReader.close().
- D. On Line 1, use try with resources when opening each dataReader.
- E. Before Line 1, check the size of dataFiles to make sure it does not exceed a threshold.

**Answer:** B

#### NEW QUESTION 73

Given:

```
for(var i = 0; i < 10; i++) {
    switch(i%5) {
        case 2:
            i *= i;
            break;
        case 3:
            i++;
            break;
        case 1:
        case 4:
            i++;
            continue;
        default:
            break;
    }
    System.out.print(i + " ");
    i++;
}
```

What is the result?

- A. nothing
- B. 10
- C. 0 4 9

**Answer:** A

**NEW QUESTION 78**

.....

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