

MOCK_TEST_DAY8_StreamApi

* Required

1

Participant's Name *

Pavithra J

2

Email ID *

j.pavithra@ltimindtree.com

3

What does the following output?

```
var list = new ArrayList<String>();  
list.add("Austin");  
list.add("Boston");  
list.add("San Francisco");  
var c = list.stream\(\)  
    .filter(a -> a.length() > 10) // line x  
    .count();  
System.out.println(c + " " + list.size());  
* (1 Point)
```

- ☐ A. 1 1
- ☒ B. 1 3
- ☐ C. 2 3
- ☐ D. The code does not compile due to line x.
- ☐ E. None of the above

4

Identify the correct functional interfaces to fill in this table correctly. (Choose three.)

* (1 Point)

Functional Interface	Possible Return Type
Interface X	Boolean
Interface Y	int
Interface Z	Void

Please select 3 options.

- ☒ A. Interface X is Predicate.
- ☐ B. Interface X is Supplier.
- ☒ C. Interface Y is Comparator.
- ☐ D. Interface Y is Supplier.
- ☒ E. Interface Z is Consumer.
- ☐ F. Interface Z is Supplier.

5

What is the output of the following program?

* (1 Point)

```
import java.util.stream.*;
public class Bull {
    void charge() {
        IntStream.range(1,6)
            .parallel()
            .forEachOrdered(System.out::print);
    }
    public static void main(String[] args) {
        var b = new Bull();
        b.charge();
    }
}
```

- ☒ A. 12345
- ☐ B. 54321
- ☐ C. The output cannot be determined ahead of time.

- ☐ D. The code does not compile.
- ☐ E. An exception is thrown at runtime.
- ☐ F. None of the above.

6

Which functional interface, when filled into the blank, allows the class to compile?

* (1 Point)

```
package space;
import java.util.function.*;

public class Asteroid {
    public void mine(_____ lambda) {
        // IMPLEMENTATION OMITTED
    }
    public static void main(String[] debris) {
        new Asteroid().mine((s,p) -> s+p);
    }
}
```

- ☐ A. BiConsumer<Integer,Double>
- ☐ B. BiConsumer<Integer,Double,Double>
- ☒ C. BiFunction<Integer,Double,Double>
- ☐ D. BiFunction<Integer,Integer,Double>
- ☐ E. Function<Integer,Double>
- ☐ F. None of the above

7

Which operation can occur more than once in a stream pipeline?

* (1 Point)

- ☐ A. Origin
- ☐ B. Sink
- ☐ C. Source
- ☒ D. Intermediate operation
- ☐ E. Terminal operation
- ☐ F. None of the above

8

Which of the following can fill in the blank to have the code print 44?

* (1 Point)

```
var stream = Stream.of("base", "ball");  
stream.____(s -> s.length()).forEach(System.out::
```

- ☐ A. Only map
- ☐ B. Only mapToInt
- ☐ C. Only mapToObject
- ☒ D. Both map and mapToInt
- ☐ E. Both map and mapToObject
- ☐ F. map, mapToInt, and mapToObject

9

Which lambdas can replace the method references in this code? (Choose two.)

```
Stream.of("fish", "mammal", "amphibian")  
.map(String::length)  
.findFirst()  
.ifPresent(System.out::println);
```

* (1 Point)

Please select 2 options.

- ☐ A. x.length()
- ☒ B. x -> x.length()
- ☐ C. x -> x::length
- ☐ D. System.out.println(s)
- ☒ E. s -> System.out.println(s)
- ☐ F. s -> System.out::println

10

Which expression is compatible with the IntSupplier functional interface?

* (1 Point)

- ☐ A. () -> 1<10 ? "3" : 4
- ☒ B. () -> {return 1/0;}
- ☐ C. () -> return 4;
- ☐ D. System.out::print
- ☐ E. None of the above

11

What is the result of executing the following?

```
var list = new LinkedList<>();  
list.add("Archie");  
list.add("X-Men");  
Stream s = list.stream\(\); // line w  
s.forEach(System.out::println);  
s.forEach(System.out::println);
```

* (1 Point)

- ☐ A. The code runs without exception and prints two lines.
- ☐ B. The code runs without exception and prints four lines.
- ☐ C. The code does not compile due to line w.
- ☐ D. The code does not compile due to another line.
- ☒ E. The code compiles but throws an exception at runtime. .

12

Which can fill in the blank to have the code print true?

```
var stream = Stream.iterate(1, i -> i+1);  
var b = stream._____(i -> i > 5);  
System.out.println(b);
```

* (1 Point)

- ☒ A. anyMatch
- ☐ B. allMatch
- ☐ C. noneMatch
- ☐ D. None of the above

Never give out your password. [Report abuse](#)



This content is created by the owner of the form. The data you submit will be sent to the form owner. Microsoft is not responsible for the privacy or security practices of its customers, including those of this form owner. Never give out your password.

Microsoft Forms | AI-Powered surveys, quizzes and polls [Create my own form](#)

The owner of this form has not provided a privacy statement as to how they will use your response data. Do not provide personal or sensitive information. | [Terms of use](#)