

Time left 0:09:52

Question 1

Not yet answered

Marked out of 1.00

Predict the output

```
List<Integer> data = List.of(5,3,8,3,9,5);  
data.stream()  
    .distinct()  
    .sorted()  
    .forEach(n -> System.out.print(n + " "));
```

- ☐ a. 5 3 8 9
- ☒ b. 3 5 8 9
- ☐ c. 5 3 8 3 9
- ☐ d. 3 8 5 9

[Clear my choice](#)**Question 2**

Not yet answered

Marked out of 1.00

Which snippet prints

0 2 4 6 8

- ☐ a. `IntStream.rangeClosed(0,8)`
 `.filter(i->i%2==0)`
 `.forEach(System.out::print);`
- ☐ b. `IntStream.range(0,5)`
 `.map(i->i*2)`
 `.forEach(i->System.out.print(i+" "));`
- ☒ c. `IntStream.of(0,2,4,6,8)`
 `.forEach(System.out::print);`
- ☐ d. `IntStream.range(0,8)`
 `.map(i->i*2)`
 `.forEach(i->System.out.print(i+" "));`

[Clear my choice](#)

Question 3

Not yet answered

Marked out of 1.00

Which snippet creates a comma-separated string

a,b,c

from `List<String> lst = List.of("a","b","c");`?

- ☐ a. `String s = String.join(",", lst);`
- ☐ b. `String s = lst.stream().collect(Collectors.joining(","));`
- ☐ c. `String s = lst.stream().reduce((x,y)-> x+","+y).get();`
- ☒ d. All of these

[Clear my choice](#)**Question 4**

Not yet answered

Marked out of 1.00

Which snippet produces

`Map<String, Integer> freq = {apple=2, banana=1}`

- ☐ a. `List<String> fruits = List.of("apple","banana","apple");`
`fruits.stream()`
`.collect(Collectors.groupingBy(f -> f, Collectors.counting()));`
- ☒ b. `List<String> fruits = List.of("apple","banana","apple");`
`fruits.stream()`
`.collect(Collectors.toMap(f->f, f->1, Integer::sum));`
- ☐ c. `List<String> fruits = List.of("apple","banana","apple");`
`fruits.stream()`
`.collect(Collectors.toMap(f->f, f->1));`
- ☐ d. `List<String> fruits = List.of("apple","banana","apple");`
`fruits.stream()`
`.collect(Collectors.groupingBy(f -> f, Collectors.summingInt(f -> 1)));`

[Clear my choice](#)

Question 5

Not yet answered

Marked out of 1.00

Which snippet produces the product of all elements

24

```
from `List<Integer> nums = List.of(1,2,3,4);`?
```

- ☒ a. `nums.stream().reduce(1, (a,b)->a*b);`
- ☐ b. `nums.stream().reduce((a,b)->a*b).get();`
- ☐ c. Both A and B
- ☐ d. Neither

[Clear my choice](#)**Question 6**

Not yet answered

Marked out of 1.00

Which snippet maps a list of lists to a flat list

[1,2,3,4]

```
from `List<List<Integer>> ll = List.of(List.of(1,2),List.of(3,4));`?
```

- ☐ a. `ll.stream()
 .flatMap(Collection::stream)
 .collect(Collectors.toList());`
- ☐ b. `ll.stream()
 .map(Collection::stream)
 .flatMap(s->s)
 .toList();`
- ☒ c. Both A and B
- ☐ d. Neither

[Clear my choice](#)

Question 7

Not yet answered

Marked out of 1.00

Which snippet yields

[A, B, C]

from `List<String> list = List.of("a","b","c");`?

- ☐ a. `list.stream()`
`.map(String::toUpperCase)`
`.collect(Collectors.toList());`
- ☐ b. `list.stream()`
`.collect(Collectors.toList())`
`.stream()`
`.map(String::toUpperCase)`
`.toList();`
- ☐ c. `list.parallelStream()`
`.map(String::toUpperCase)`
`.toList();`
- ☒ d. All of these

[Clear my choice](#)**Question 8**

Not yet answered

Marked out of 1.00

Predict the output

`IntStream.range(1,5)`

`.skip(2)`

`.forEach(System.out::print);`

- ☐ a. 1234
- ☐ b. 12
- ☒ c. 345
- ☐ d. 34

[Clear my choice](#)

Question 9

Not yet answered

Marked out of 1.00

Predict the output

```
List<String> vals = List.of("one", "two", "three");
```

```
String joined = vals.stream()
```

```
    .collect(Collectors.joining("|"));
```

```
System.out.println(joined);
```

- ☐ a. one,two,three
- ☒ b. one|two|three
- ☐ c. [one|two|three]
- ☐ d. one two three

[Clear my choice](#)**Question 10**

Not yet answered

Marked out of 1.00

Which snippet prints only the first two distinct names

Alice

Bob

```
from `List<String> names = List.of("Bob","Alice","Bob","Charlie");`?
```

- ☒ a.

```
names.stream()
    .distinct()
    .limit(2)
    .forEach(System.out::println);
```
- ☐ b.

```
names.stream()
    .limit(2)
    .distinct()
    .forEach(System.out::println);
```

- ☐ c. Both A and B
- ☐ d. Neither

[Clear my choice](#)

Question 11

Not yet answered

Marked out of 1.00

Which snippet finds the maximum value 9
from `List<Integer> nums = List.of(3,9,1,4);`?

- ☐ a. `nums.stream().max(Integer::compare).get();`
- ☒ b. `nums.stream().reduce(Integer::max).get();`
- ☐ c. Both A and B
- ☐ d. Neither

[Clear my choice](#)**Question 12**

Not yet answered

Marked out of 1.00

Predict the output

```
List<Integer> list = List.of(1,2,3,4,5);
```

```
long even = list.parallelStream()
```

```
    .filter(i -> i % 2 == 0)
```

```
    .count();
```

```
System.out.println(even);
```

- ☐ a. 3
- ☒ b. 2
- ☐ c. 0
- ☐ d. Depends on thread scheduling

[Clear my choice](#)

Question 13

Not yet answered

Marked out of 1.00

Predict the output

```
List<String> names = List.of("Anna","Bob","Alice");  
long cnt = names.stream()  
    .filter(s -> s.startsWith("A"))  
    .count();  
System.out.println(cnt);
```

- ☐ a. 1
- ☒ b. 2
- ☐ c. 3
- ☐ d. 0

[Clear my choice](#)**Question 14**

Not yet answered

Marked out of 1.00

Predict the output

```
Optional<String> first = Stream.<String>empty()  
    .findFirst();  
System.out.println(first.isPresent());
```

- ☐ a. true
- ☒ b. false
- ☐ c. null
- ☐ d. NoSuchElementException

[Clear my choice](#)

Question 15

Not yet answered

Marked out of 1.00

Predict the output

```
List<String> l = List.of(" a "," b","c ");  
l.stream()  
.map(String::trim)  
.forEach(s -> System.out.print "[" + s + "]);
```

- ☒ a. [a][b][c]
- ☐ b. [a][b][c]
- ☐ c. [a, b, c]
- ☐ d. [a][b][c]

[Clear my choice](#)**Question 16**

Not yet answered

Marked out of 1.00

Which snippet prints

Found: 42

only if any element equals 42?

- ☒ a.

```
Stream.of(10,42,30)  
.filter(i->i==42)  
.forEach(i->System.out.println("Found: "+i));
```
- ☐ b.

```
List.of(10,42,30).stream()  
.anyMatch(i->i==42)  
.ifPresent(i->System.out.println("Found: "+i));
```
- ☐ c.

```
Stream.of(10,42,30)  
.filter(i->i==42)  
.findFirst()  
.ifPresent(i->System.out.println("Found: "+i));
```
- ☐ d.

```
Stream.of(10,42,30)  
.findAny(i->i==42)  
.ifPresent(i->System.out.println("Found: "+i));
```

[Clear my choice](#)

Question 17

Not yet answered

Marked out of 1.00

Predict the output

```
Stream.of("x","y","z")
```

```
.flatMap(s -> Stream.of(s.toUpperCase(), s.toLowerCase()))
```

```
.forEach(System.out::print);
```

- ☒ a. xyzXYZ
- ☐ b. XYZxyz
- ☐ c. XxYyZz
- ☐ d. xXyYzZ

[Clear my choice](#)**Question 18**

Not yet answered

Marked out of 1.00

Predict the output

```
List<String> items = List.of("a","b","c");
```

```
String result = items.stream()
```

```
.reduce("", (a,b) -> a + b);
```

```
System.out.println(result);
```

- ☒ a. abc
- ☐ b. cba
- ☐ c. [a, b, c]
- ☐ d. Compilation error

[Clear my choice](#)

Question 19

Not yet answered

Marked out of 1.00

Predict the output

```
List<Integer> nums = List.of(1,2,3,4);
```

```
int sum = nums.stream()  
    .mapToInt(i -> i * 2)  
    .sum();
```

```
System.out.println(sum);
```

- ☐ a. 10
- ☒ b. 20
- ☐ c. 16
- ☐ d. 8

[Clear my choice](#)**Question 20**

Not yet answered

Marked out of 1.00

Which snippet produces a sorted, distinct list of even squares

[4,16,36]

```
from `List<Integer> nums = List.of(1,2,3,4,5,6);`?
```

- ☐ a.

```
nums.stream()  
    .map(i->i*i)  
    .filter(i->i%2==0)  
    .sorted()  
    .distinct()  
    .collect(Collectors.toList());
```
- ☒ b.

```
nums.stream()  
    .filter(i->i%2==0)  
    .map(i->i*i)  
    .distinct()  
    .sorted()  
    .toList();
```
- ☐ c. Both A and B
- ☐ d. Neither

[Clear my choice](#)