



Vendor: Oracle

Exam Code: 1Z0-809

Exam Name: Java SE 8 Programmer II

Version: DEMO

QUESTION 1

Given:

```
class Sum extends RecursiveAction { //line n1
    static final int THRESHOLD_SIZE = 3;
    int stIndex, lstIndex;
    int [ ] data;
    public Sum (int [ ]data, int start, int end) {
        this.data = data;
        this.stIndex = start;
        this.lstIndex = end;
    }
    protected void compute ( ) {
        int sum = 0;
        if (lstIndex > stIndex <= THRESHOLD_SIZE) {
            for (int i = stIndex; i < lstIndex; i++) {
                sum += data [i];
            }
            System.out.println(sum);
        } else {
            new Sum (data, stIndex + THRESHOLD_SIZE, lstIndex).fork( );
            new Sum (data, stIndex,
                Math.min (lstIndex, stIndex + THRESHOLD_SIZE)
            ).compute ( );
        }
    }
}
```

and the code fragment:

```
ForkJoinPool fjPool = new ForkJoinPool ( );
int data [ ] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
fjPool.invoke (new Sum (data, 0, data.length));
and given that the sum of all integers from 1 to 10 is 55.
```

Which statement is true?

- A. The program prints several values that total 55.
- B. The program prints 55.
- C. A compilation error occurs atline n1.
- D. The program prints several values whose sum exceeds 55.

Answer: C

QUESTION 2

Given:

```
public class Foo<K, V> {
    private K key;
    private V value;
    public Foo (K key, V value) (this.key = key; this.value = value;)
    public static <T> Foo<T, T> twice (T value) (return new Foo<T, T>
        (value, value); )
    public K getKey ( ) (return key;)
    public V getValue ( ) (return value;)
}
```

Which option fails?

- A. Foo<String, Integer> mark = new Foo<String, Integer> ("Steve", 100);
- B. Foo<String, String> pair = Foo.<String>twice ("Hello World!");
- C. Foo<?, ?> percentage = new Foo <> (97, 32);
- D. Foo<String, String> grade = new Foo <> ("John", "A");

Answer: C

QUESTION 3

Given the content of /resources/Message.properties:

```
welcome1="Good day!"
and given the code fragment:
Properties prop = new Properties ();
FileInputStream fis = new FileInputStream
("/resources/Message.properties");
prop.load(fis);
System.out.println(prop.getProperty("welcome1"));
System.out.println(prop.getProperty("welcome2", "Test")); //line n1
System.out.println(prop.getProperty("welcome3"));
```

What is the result?

- A. Good day!
Test
followed by an Exception stack trace
- B. Good day!
followed by an Exception stack trace
- C. Good day!
Test
null
- D. A compilation error occurs atline n1.

Answer: D

QUESTION 4

Which action can be used to load a database driver by using JDBC3.0?

- A. Add the driver class to the META-INF/services folder of the JAR file.
- B. Include the JDBC driver classin ajdbc.properties file.
- C. Use the java.lang.Class.for Name method to load the driver class.
- D. Use the Driver Manager.get Driver method to load the driver class.

Answer: D

QUESTION 5

Given the code fragment:

```
Path p1 = Paths.get("/Pics/MyPic.jpeg");
System.out.println (p1.getNameCount() +
```

```
":" + p1.getName(1) +  
":" + p1.getFileName());  
Assume that the Pics directory does NOT exist.
```

What is the result?

- A. An exception is thrown at run time.
- B. 2:MyPic.jpeg: MyPic.jpeg
- C. 1:Pics:/Pics/ MyPic.jpeg
- D. 2:Pics: MyPic.jpeg

Answer: C

QUESTION 6

Given the code fragments:

```
class MyThread implements Runnable {  
    private static AtomicInteger count = new AtomicInteger (0);  
    public void run () {  
        int x = count.incrementAndGet();  
        System.out.print (x+" ");  
    }  
}  
and  
Thread thread1 = new Thread(new MyThread());  
Thread thread2 = new Thread(new MyThread());  
Thread thread3 = new Thread(new MyThread());  
Thread [] ta = {thread1, thread2, thread3};  
for (int x= 0; x < 3; x++) {  
    ta[x].start();  
}
```

Which statement is true?

- A. The program prints 12 3 and the order is unpredictable.
- B. The program prints 1 2 3.
- C. The program prints 1 1 1.
- D. A compilation error occurs.

Answer: B

QUESTION 7

Given the code fragment:

```
public static void main (String [ ] args) throws IOException {  
    BufferedReader br = new BufferedReader (new InputStremReader  
        (System.in));  
    System.out.print ("Enter GDP: ");  
    //line 1  
}
```

Which code fragment, when inserted at line 1, enables the code to read the GDP from the user?

- A. `int GDP = Integer.parseInt (br.readLine());`
- B. `int GDP = br.read();`
- C. `int GDP = br.nextInt();`
- D. `int GDP = Integer.parseInt (br.next());`

Answer: C

QUESTION 8

Given the code fragment:

```
Path source = Paths.get ("/data/december/log.txt");
Path destination = Paths.get ("/data");
Files.copy (source, destination);
and assuming that the file /data/december/log.txt is accessible and
contains:
10-Dec-2014 - Executed successfully
```

What is the result?

- A. A file with the name `log.txt` is created in the `/data` directory and the content of the `/data/december/log.txt` file is copied to it.
- B. The program executes successfully and does NOT change the file system.
- C. A `FileNotFoundException` is thrown at run time.
- D. A `FileAlreadyExistsException` is thrown at run time.

Answer: B

QUESTION 9

Given:

```
class Student {
String course, name, city;
public Student (String name, String course, String city) {
this.course = course; this.name = name; this.city = city;
}
public String toString() {
return course + ":" + name + ":" + city;
}
}
```

and the code fragment:

```
List<Student> stds = Arrays.asList(
new Student ("Jessy", "Java ME", "Chicago"),
new Student ("Helen", "Java EE", "Houston"),
new Student ("Mark", "Java ME", "Chicago"));
stds.stream()
.collect(Collectors.groupingBy(Student::getCourse))
.forEach(src, res) -> System.out.println(src));
```

What is the result?

- A. `[Java EE: Helen:Houston]`
`[Java ME: Jessy:Chicago, Java ME: Mark:Chicago]`
- B. `Java EE`
`Java ME`

- C. [Java ME: Jessie:Chicago, Java ME: Mark:Chicago]
[Java EE: Helen:Houston]
- D. A compilation error occurs.

Answer: C

QUESTION 10

Given the code fragments:

```
interface CourseFilter extends Predicate<String> {  
    public default boolean test (String str) {  
        return str.equals ("Java");  
    }  
}  
and  
List<String> strs = Arrays.asList("Java", "Java EE", "Java ME");  
Predicate<String> cf1 = s -> s.length() > 3;  
Predicate cf2 = new CourseFilter() { //line n1  
    public boolean test (String s) {  
        return s.contains ("Java");  
    }  
};  
long c = strs.stream()  
    .filter(cf1)  
    .filter(cf2//line n2  
    .count();  
System.out.println(c);
```

What is the result?

- A. 2
- B. 3
- C. A compilation error occurs at line n1.
- D. A compilation error occurs at line n2.

Answer: A

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