Vendor: Oracle

Exam Code:1Z0-813

Exam Name: Upgrade to Java SE 8 OCP (Java SE 6 and all prior versions)

Version: Demo

QUESTION 1

Given the fragment:

```
public static void main(String[] args) {
    List<String> sList = Arrays.asList("A", "B", "C", "D");
    //line n1
    System.out.println(str);
}
```

Which code fragment, when inserted at line n1, enables the code to print ABCD?

A. String str = sList.stream().reduce("",(s1, s2) -> s1.concat(s2));

B. String str = sList.stream().reduce("A",(s1, s2) -> s1.concat(s2));

C. String str = sList.stream().reduce((s1, s2) -> s1.concat(s2));

D. String str = sList.stream().reduce("A",String::concat);

Correct Answer: A

The java.util.Arrays.asList(T... a) returns a fixed-size list backed by the specified array.

Note: Use the following import statements to be able to run the code.

import java.util.Arrays;

import java.util.List;

Incorrect Answers:

B, D: Output is AABCD

Reference: https://www.tutorialspoint.com/java/util/arrays_aslist.htm

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QUESTION 2

Given the code fragment: What is the result?

```
Stream<Path> files = Files.walk(Paths.get(System.getProperty("user.home")));
    files.forEach(fName -> {                          // line n1
        try {
            Path aPath = fName.toAbsolutePath();  // line n2
            System.out.println(fName + ": "
                + Files.readAttributes(aPath, BasicFileAttributes.class).creationTime());
        } catch (IOException ex) {
            ex.printStackTrace();
        }
    });
```

A. All files and directories under the home directory are listed along with their attributes.

B. A compilation error occurs at line n1.

C. The files in the home directory are listed along with their attributes.

D. A compilation error occurs at line n2.

Correct Answer: A

QUESTION 3

Given the code fragment:

```
14.        //insert code here
15.        List fontCatalog = new ArrayList();
16.
17.        fontCatalog.add("Algerian");
18.        fontCatalog.add("Cambria");
19.        fontCatalog.add("Lucida Bright");
20.        category.put("firstCategory", fontCatalog);
```

Which two code fragments, when inserted independently at line 14, enable the code to compile? (Choose two.)

A. Map category = new HashMap();

B. Map category = new HashMap();

C. Map category = new HashMap();

D. Map category = new HashMap();

E. Map category = new HashMap();

F. Map category = new HashMap();

Correct Answer: DF

QUESTION 4

Given:

```
1.  public class Test {
2.    void display(String[] arr) {
3.         try {
4.                System.out.print(arr[2]);
5.                } catch(ArrayIndexOutOfBoundsException |
6.                   NullPointerException e) {
7.                 e = new Exception();
8.                 throw e;
9.                 }
10.   }
11.    public static void main(String[] args)throws Exception {
12.        try {
13.                String[] arr = {"Unix","Solaris",null};
14.                new Test().display(arr);
15.                } catch(Exception e) {
16.                    System.err.print(e.getClass());
17.                }
18.   }
19. }
```

What is the result?

A. class java,lang.ArrayIndexOutOfBoundsException

B. null

C. class java.lang.NullPointerException

D. class java.lang.Exception

E. Compilation fails

Correct Answer: B

QUESTION 5

Given the code fragment:

```
// Login time:2015-01-12T21:58:18.817Z
Instant loginTime = Instant.now();
Thread.sleep(1000);

// Logout time:2015-01-12T21:58:19.880Z
Instant logoutTime = Instant.now();

loginTime = loginTime.truncatedTo(ChronoUnit.MINUTES);    // line n1
logoutTime = logoutTime.truncatedTo(ChronoUnit.MINUTES);

if (logoutTime.isAfter(loginTime))
    System.out.println("Logged out at: " + logoutTime);
else
    System.out.println("Can't logout");
```

What is the result?

A. A compilation error occurs at line n1.

B. Can\\'t logout

C. Logged out at: 2015-01-12T21:58:19.880Z

D. Logged out at: 2015-01-12T21:58:00Z

Correct Answer: B

loginTime and logoutTime would be the same as they are truncated.

QUESTION 6

Which two states are valid for a watch key? (Choose two.)

A. Does Not Exist

B. Signalled

C. Ready

D. Not Runnable

E. Runnable

Correct Answer: BC

A watch key has a state. When initially created the key is said to be ready. When an event is detected then the key is signalled and queued so that it can be retrieved by invoking the watch service\\'s poll or take methods. Once signalled, a key remains in this state until its reset method is invoked to return the key to the ready state.

Reference: https://docs.oracle.com/javase/7/docs/api/java/nio/file/WatchKey.html

QUESTION 7

Which two elements must be present in any valid pipeline? (Choose two.)

A. a lambda expression or a method reference

B. a source

C. one or more intermediate operations

D. a reduction operation

E. a terminal operation

Correct Answer: BE

A stream pipeline consists of a source (such as a Collection, an array, a generator function, or an I/O channel); followed by zero or more intermediate operations such as Stream.filter or Stream.map; and a terminal operation such as Stream.forEach or Stream.reduce.

Reference: https://docs.oracle.com/javase/8/docs/api/java/util/stream/package-summary.html

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QUESTION 8

Given the Greetings.properties file, containing: and given:

```
HELLO_MSG = Hello, everyone!
GOODBYE_MSG = Goodbye everyone!
```

```
import java.util.Enumeration;
import java.util.Locale;
import java.util.ResourceBundle;

public class ResourcesApp {
    public void loadResourceBundle() {
        ResourceBundle resource = ResourceBundle.getBundle("Greetings",Locale.US);
        System.out.println(resource.getObject(1));
    }
    public static void main(String[] args) {
        new ResourcesApp().loadResourceBundle();
    }
}
```

What is the result?

A. Goodbye everyone!

B. Hello, everyone!

C. HELLO_MSG

D. Compilation fails.

E. Goodbye_MSG

Correct Answer: D

The following line fails compilation:

System.out.println(resource.getObject(1));

The Java.util.ResourceBundle.GetObject(String Key) gets an object for the given key, in string format not integer format, from this resource bundle or one of its parents.

Reference: https://www.tutorialspoint.com/java/util/java_util_resourcebundle.htm

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QUESTION 9

In 2015. daylight saving time in New York, USA, begins on March 8th at 2:00 AM. As a result, 2:00 AM becomes 3:00 AM.

Given the code fragment:

```
ZoneId zone = ZoneId.of("America/New_York");
ZonedDateTime dt = ZonedDateTime.of(LocalDate.of(2015, 3, 8), LocalTime.of(1, 0), zone);
ZonedDateTime dt2 = dt.plusHours(2);
Systen.out.print(DateTimeFormatter.ofPattern("H:mm - ").format(dt2));
System.out.println("difference: " + ChronoUnit.HOURS.between(dt, dt2));
```

Which is the result?

A. 2:00

Correct Answer: D

Reference: http://docs.oracle.com/javase/8/docs/api/java/time/ZoneId.html

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QUESTION 10

Given:

```
class Product {
    private double price;
    Product(double price) {
        this.price = price;
    }
    public double getPrice() { return price; }
}
```

and the code fragment:

```
List<Product> prd = new ArrayList<>();
prd.add(new Product(100));
prd.add(new Product(200));
prd.add(new Product(300));
// line n1
System.out.println(totalPrice);
```

Which code fragment, when inserted at line n1, results in the following output?

600.0

```
A. double totalPrice = prd.stream()
        .reduce(0.0, Double::sum);

B. double totalPrice = prd.stream()
        .reduce(0.0, (p1, p2) -> p1 + p2);

C. double totalPrice = prd.stream()
        .parallel()
        .reduce(0.0, (p1, p2) -> p1.getPrice() + p2.getPrice());

D. double totalPrice = prd.stream()
        .parallel()
        .map(p -> p.getPrice())
        .reduce(0.0, (p1, p2) -> p1 + p2);
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 11

Given the code fragment:

```
5. public static void displayDetails() {
6.   try (BufferedReader br = new BufferedReader(new FileReader("salesreport.dat"))) {
7.       String record;
9.       while ((record = br.readLine()) !=null) {
10.          System.out.println(record);
11.      }
12.      br.close();
13.      br = new BufferedReader(new FileReader("annualreport.dat"));
14.      while ((record = br.readLine()) != null) {
15.          System.out.println(record);
16.      }
17. } catch(IOException e) {
18.      System.err.print(e.getClass());
19. }
20.}
```

What is the result, if the file salesreport.dat does not exist?

A. class java.io.FileNotFoundException

B. class java.io.IOException

C. Compilation fails at line 6 and 13.

D. Compilation fails only at line 13.

E. Compilation fails only at line 6.

Correct Answer: B

QUESTION 12

Which two statements are true about localizing an application? (Choose two.)

A. Language codes use lowercase and region codes use uppercase letters.

B. Resource bundle files include date and currency information.

C. Language and region-specific programs are created using localized data.

D. Support for new regional languages does not require recompilation of the code.

E. Textual elements (messages and GUI labels) are hard-coded on the code.

Correct Answer: AC

A: The following examples create Locale objects for the French language in Canada, the English language in the U.S. and Great Britain.

aLocale = new Locale("fr", "CA"); bLocale = new Locale("en", "US"); cLocale = new Locale("en", "GB");

C: Localization is the process of adapting an internationalized application to support a specific region or locale. Incorrect Answers:

B: Resource bundle files does not include date a currency information. Date and currency information are stored in locales, not in resource bundle files.

D: Recompilation is not necessary.

E: Textual elements are not hard-coded on the code.

References: https://docs.oracle.com/javase/tutorial/i18n/locale/create.html
http://docs.oracle.com/javaee/6/tutorial/doc/bnaxw.html

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