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Java SE 8 Programmer II

Oracle 1z0-809

Version Demo

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QUESTION NO: 1

Which two methods from the java.util.stream.Stream interface perform a reduction operation? (Choose two.)

A. count ()

B. collect ()

C. distinct ()

D. peek ()

E. filter ()

ANSWER: A B

Explanation:

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

QUESTION NO: 2

Given the code fragment:

```
List<Integer> prices = Arrays.asList(3, 4, 5);
prices.stream()
    .filter(e -> e > 4)
    .peek(e -> System.out.print("Price " + e))                    // line n1
    .map(n -> n - 1)                                              // line n2
    .peek(n -> System.out.println(" New Price " + n));            // line n3
```

Which modification enables the code to print Price 5 New Price 4?

A. Replace line n2 with .map (n -> System.out.println (“New Price” + n –1)) and remove line n3

B. Replace line n2 with .mapToInt (n -> n – 1);

C. Replace line n1 with .forEach (e -> System.out.print (“Price” + e))

D. Replace line n3 with .forEach (n -> System.out.println (“New Price” + n));

ANSWER: D

QUESTION NO: 3

Given:

```
public enum USCurrency {
PENNY (1),
NICKLE(5),
DIME (10), QUARTER(25); private int value;
public USCurrency(int value) { this.value = value;
}
public int getValue() {return value;}
} public class Coin {
public static void main (String[] args) { USCurrency usCoin =new USCurrency.DIME;
System.out.println(usCoin.getValue()):
}
}
```

Which two modifications enable the given code to compile? (Choose two.)

A. Nest the USCurrency enumeration declaration within the Coin class.

B. Make the USCurrency enumeration constructor public.

C. Remove the new keyword from the instantion of usCoin.

D. Make the getValue() method public.

E. Add the final keyword in the declaration of value.

ANSWER: B C

QUESTION NO: 4

For which three objects must a vendor provide implementations in its JDBC driver? (Choose three.)

A. Time

B. Date

C. Statement

D. ResultSet

E. Connection

F. SQLException

G. DriverManager

ANSWER: C D E

Explanation:

Database vendors support JDBC through the JDBC driver interface or through the ODBC connection. Each driver must provide implementations of java.sql.Connection, java.sql.Statement, java.sql.PreparedStatement, java.sql.CallableStatement, and java.sql.Re sultSet. They must also implement the java.sql.Driver interface for use by the generic java.sql.DriverManager interface.

QUESTION NO: 5

Which statement is true about java.time.Duration?

A. It tracks time zones.

B. It preserves daylight saving time.

C. It defines time-based values.

D. It defines date-based values.

ANSWER: C

Explanation:

Reference: http://tutorials.jenkov.com/java-date-time/duration.html#accessing-the-time-of-a-duration

QUESTION NO: 6

Which two are elements of a singleton class? (Choose two.)

A. a transient reference to point to the single instance

B. a public method to instantiate the single instance

C. a public static method to return a copy of the singleton reference

D. a private constructor to the class

E. a public reference to point to the single instance

ANSWER: B D

QUESTION NO: 7

Given the code fragments:

```
class Person  // line n1
{
    String name;
    Person(String name) {
        this.name = name;
    }
    // line n2
}
```

and

```
List<Person> emps = new ArrayList<>();
/* code that adds objects of the Person class to the emps list goes here */
Collections.sort(emps);
```

Which two modifications enable to sort the elements of the emps list? (Choose two.)

A. Replace line n1 with class Person extends Comparator

B. At line n2 insert public int compareTo (Person p) { return this.name.compareTo (p.name);
}

C. Replace line n1 with class Person implements Comparable

D. At line n2 insert public int compare (Person p1, Person p2) { return p1.name.compareTo (p2.name);
}

E. At line n2 insert:
public int compareTo (Person p, Person p2) { return p1.name.compareTo (p2.name);
}

F. Replace line n1 with class Person implements Comparator

ANSWER: B C

QUESTION NO: 8

Given the code fragment:

```
public static void main(String[] args) {
    Stream.of("Java", "Unix", "Linux")
    .filter(s -> s.contains("n"))
    .peek(s -> System.out.println("PEEK: " + s))
    // line n1
}
```

Which two code fragments, when inserted at line n1 independently, result in the output PEEK: Unix?

A. .anyMatch ();

B. .allMatch ();

C. .findAny ();

D. .noneMatch ();

E. .findFirst ();

ANSWER: C E

QUESTION NO: 9

Given the definition of the Emp class:

public class Emp private String eName; private Integer eAge;

Emp(String eN, Integer eA) { this.eName = eN; this.eAge = eA;

}

public Integer getEAge () {return eAge;} public String getEName () {return eName;}

}

and code fragment:

Listli = Arrays.asList(new Emp(“Sam”, 20), New Emp(“John”, 60), New Emp(“Jim”, 51));

Predicate agVal = s -> s.getEAge() > 50; //line n1 li = li.stream().filter(agVal).collect(Collectors.toList()); Stream names = li.stream()map.(Emp::getEName); //line n2 names.forEach(n -> System.out.print(n + “ “));

What is the result?

A. Sam John Jim

B. John Jim

C. A compilation error occurs at line n1.

D. A compilation error occurs at line n2.

ANSWER: B

QUESTION NO: 10

Given the code fragment:

```
Connection con = null;
try {
     // line n1
     if(con != null){
         System.out.print("Connection Established.");
     }

} catch (Exception e) {
     System.out.print(e);
}
```

Assume that dbURL, userName, and password are valid.

Which code fragment can be inserted at line n1 to enable the code to print Connection Established?

A. Properties prop = new Properties(); prop.put (“user”, userName); prop.put (“password”, password); con = DriverManager.getConnection (dbURL, prop);

B. con = DriverManager.getConnection (userName, password, dbURL);

C. Properties prop = new Properties(); prop.put (“userid”, userName); prop.put (“password”, password); prop.put(“url”, dbURL); con = DriverManager.getConnection (prop);

D. con = DriverManager.getConnection (dbURL); con.setClientInfo (“user”, userName); con.setClientInfo (“password”, password);

ANSWER: A

QUESTION NO: 11

You have been asked to create a ResourceBundle which uses a properties file to localize an application.

Which code example specifies valid keys of menu1 and menu2 with values of File Menu and View Menu?

A. File Menu
View Menu

B. menu1File Menu
menu2View Menu

C. menu1, File Menu, menu2, View Menu Menu

D. menu1 = File Menu menu2 = View Menu

ANSWER: D

QUESTION NO: 12

Given the code fragments:

public class Book implements Comparator { String name; double price; public Book () {}

public Book(String name, double price) {

this.name = name; this.price = price;

}

public int compare(Book b1, Book b2) { return b1.name.compareTo(b2.name);

}

public String toString() { return name + ":" + price;

} } and

Listbooks = Arrays.asList (new Book ("Beginning with Java", 2), new book ("A Guide to Java Tour", 3)

);

Collections.sort(books, new Book()); System.out.print(books);

What is the result?

A. [A Guide to Java Tour:3.0, Beginning with Java:2.0]

B. [Beginning with Java:2.0, A Guide to Java Tour:3.0]

C. A compilation error occurs because the Book class does not override the abstract method compareTo().

D. An Exception is thrown at run time.

ANSWER: D

Explanation:

If asList is changed to List, the output would be B, Beginning with java:2.0, A guide to Java Tour:3.0.

QUESTION NO: 13

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. 3:.:MyPic.jpeg

D. 2:Pics: MyPic.jpeg

ANSWER: B

QUESTION NO: 14

Given the code fragment:

```
//line n1
Double d = str.average().getAsDouble();
System.out.println("Average = " + d);
```

Which should be inserted into line n1 to print Average = 2.5?

A. IntStream str = Stream.of (1, 2, 3, 4);

B. IntStream str = IntStream.of (1, 2, 3, 4);

C. DoubleStream str = Stream.of (1.0, 2.0, 3.0, 4.0);

D. Stream str = Stream.of (1, 2, 3, 4);

ANSWER: C

QUESTION NO: 15

Given:

```
interface P { public void method1(); }
interface Q extends P {  public void method1(); }
interface R extends P { public void method2();}
interface S { public default void method() { } }
interface T { public void method1();  public void method2(); }
interface U { public void method1();  public abstract void method2(); }
```

Which two interfaces can you use to create lambda expressions? (Choose two.)

A. T

B. R

C. P

D. S

E. Q

F. U

ANSWER: C D