

## 1Z0-809 Dumps

### Java SE 8 Programmer II

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**NEW QUESTION 1**

Given:

```
class Book { int id;
String name;
public Book (int id, String name) { this.id = id;
this.name = name;
}
public boolean equals (Object obj) { //line n1 boolean output = false;
Book b = (Book) obj;
if (this.name.equals(b.name)) output = true;
}
return output;
}
}
```

and the code fragment:

Book b1 = new Book (101, "Java Programing"); Book b2 = new Book (102, "Java Programing"); System.out.println (b1.equals(b2)); //line n2 Which statement is true?

- A. The program prints true.
- B. The program prints false.
- C. A compilation error occur
- D. To ensure successful compilation, replace line n1 with: boolean equals (Book obj) {
- E. A compilation error occur
- F. To ensure successful compilation, replace line n2 with: System.out.println (b1.equals((Object) b2));

**Answer:** A

**NEW QUESTION 2**

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 at line n1.
- D. The program prints several values whose sum exceeds 55.

**Answer:** A

**NEW QUESTION 3**

Given the content of the employee.txt file: Every worker is a master.

Given that the employee.txt file is accessible and the file allemp.txt does NOT exist, and the code fragment:

```
try {
    List<String> content = Files.readAllLines(Paths.get("employee.txt"));
    content.stream().forEach(line -> {
        try {
            Files.write(
                Paths.get("allemp.txt"),
                line.getBytes(),
                StandardOpenOption.APPEND
            );
        } catch (IOException e) { System.out.println("Exception 1"); }
    });
} catch (IOException e) { System.out.println("Exception 2"); }
```

What is the result?

- A. Exception 1
- B. Exception 2
- C. The program executes, does NOT affect the system, and produces NO output.
- D. allemp.txt is created and the content of employee.txt is copied to it.

**Answer:** A

#### NEW QUESTION 4

What is the result?

```
7. BiPredicate<String, String> bp = (String s1, String s2) -> s1.contains("SG") &&
   s2.contains("Java");
8. BiFunction<String, String, Integer> bf = (String s1, String s2) -> {
9.     int fee = 0;
10.    if (bp.test(s1, s2)) {
11.        fee = 100;
12.    }
13.    return fee;
14. };
15. int fee1 = bf.apply("D101SG", "Java Programming");
16. System.out.println(fee1);
```

- A. A compilation error occurs at line 7.
- B. 100
- C. A compilation error occurs at line 8.
- D. A compilation error occurs at line 15.

**Answer:** A

#### NEW QUESTION 5

Which code fragment is required to load a JDBC 3.0 driver?

- A. Connection con = Connection.getDriver ("jdbc:xyzdata://localhost:3306/EmployeeDB");
- B. Class.forName("org.xyzdata.jdbc.NetworkDriver");
- C. Connection con = DriverManager.getConnection ("jdbc:xyzdata://localhost:3306/EmployeeDB");
- D. DriverManager.loadDriver ("org.xyzdata.jdbc.NetworkDriver");

**Answer:** B

#### NEW QUESTION 6

Given:

```
class Resource implements AutoCloseable {
    public void close() throws Exception {
        System.out.print("Close-");
    }
    public void open() {
        System.out.print("Open-");
    }
}
```

and this code fragment:

```
Resource res1 = new Resource();
try {
    res1.open();
    res1.close();
} catch (Exception e) {
    System.out.println("Exception - 1");
}
try (res1 = new Resource()) { // line n1
    res1.open();
} catch (Exception e) {
    System.out.println("Exception - 2");
}
```

What is the result?

- A. Open-Close- Exception – 1 Open-Close-
- B. Open-Close-Open-Close-
- C. A compilation error occurs at line n1.
- D. Open-Close-Open-

**Answer:** C

#### NEW QUESTION 7

Given the code fragment:

```
List<String> words = Arrays.asList("win", "try", "best", "luck", "do");
Predicate<String> test1 = w -> {
    System.out.println("Checking...");
    return w.equals("do"); // line n1
};
Predicate test2 = (String w) -> w.length() > 3; // line n2
words.stream()
    .filter(test2)
    .filter(test1)
    .count();
```

What is the result?

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

**Answer:** A

#### NEW QUESTION 8

Given the code fragment:

```
List<String> codes = Arrays.asList("DOC", "MPEG", "JPEG");
codes.forEach(c -> System.out.print(c + " "));
String fmt = codes.stream()
    .filter(s -> s.contains("PEG"))
    .reduce((s, t) -> s + t).get();
System.out.println("\n" + fmt);
```

What is the result?

- A. DOC MPEG JPEG MPEGJPEG
- B. DOC MPEG MPEGJPEG MPEGMPEGJPEG
- C. MPEGJPEG MPEGJPEG
- D. The order of the output is unpredictable.

**Answer:** A

#### NEW QUESTION 9

Given the code fragment:

```
List<Integer> values = Arrays.asList(1, 2, 3);
values.stream()
    .map(n -> n*2) //line n1
    .peek(System.out::print) //line n2
    .count();
```

What is the result?

- A. 246

- B. The code produces no output.
- C. A compilation error occurs at line n1.
- D. A compilation error occurs at line n2.

**Answer:** A

#### NEW QUESTION 10

Given the code fragment:

```
ProductCode<Number, Integer> c1 = new ProductCode<Number, Integer>(); /* c1
instantiation */
ProductCode<Number, String> c2 = new ProductCode<Number, String>();    /* c2
instantiation */
```

You have been asked to define the ProductCode class. The definition of the ProductCode class must allow c1 instantiation to succeed and cause a compilation error on c2 instantiation.

Which definition of ProductCode meets the requirement?

```
A. class ProductCode<T, S<Integer>> {
    T c1;
    S c2;
}

B. class ProductCode<T, S extends T> {
    T c1;
    S c2;
}

C. class ProductCode<T, S> {
    T c1;
    S c2;
}

D. class ProductCode<T, S super T> {
    T c1;
    S c2;
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer:** B

#### NEW QUESTION 10

Given:

```
public class Job {
    String name;
    Integer cost;
    Job(String name, Integer cost) {
        this.name = name;
        this.cost = cost;
    }
    String getName() { return name; }
    int getCost() { return cost; }
    public static void main(String[] args) {
        Job j1 = new Job("IT", null);
        DoubleSupplier jS1 = j1::getCost;
        System.out.println(j1.getName() + ":" + jS1.getAsDouble());
    }
}
```

What is the result?

- A. IT:null
- B. A NullPointerException is thrown at run time.
- C. A compilation error occurs.
- D. IT:0.0

**Answer:** D

#### NEW QUESTION 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. 1:Pics:/Pics/ MyPic.jpeg
- D. 2:Pics: MyPic.jpeg

**Answer:** B

#### NEW QUESTION 16

Given the code fragment:

```
Path file = Paths.get ("courses.txt");
```

```
// line n1
```

Assume the courses.txt is accessible.

Which code fragment can be inserted at line n1 to enable the code to print the content of the courses.txt file?

- A. List<String> fc = Files.list(file); fc.stream().forEach (s -> System.out.println(s));
- B. Stream<String> fc = Files.readAllLines (file); fc.forEach (s -> System.out.println(s));
- C. List<String> fc = readAllLines(file); fc.stream().forEach (s -> System.out.println(s));
- D. Stream<String> fc = Files.lines (file); fc.forEach (s -> System.out.println(s));

**Answer:** D

#### NEW QUESTION 17

Given:

```
public final class IceCream { public void prepare() {}  
}  
public class Cake {  
public final void bake(int min, int temp) {} public void mix() {}  
}  
public class Shop {  
private Cake c = new Cake (); private final double discount = 0.25;  
public void makeReady () { c.bake(10, 120); }  
}  
public class Bread extends Cake {  
public void bake(int minutes, int temperature) {} public void addToppings() {}  
}
```

Which statement is true?

- A. A compilation error occurs in IceCream.
- B. A compilation error occurs in Cake.
- C. A compilation error occurs in Shop.
- D. A compilation error occurs in Bread
- E. All classes compile successfully.

**Answer:** D

#### NEW QUESTION 20

Given the content:

```
MessagesBundle.properties file:  
  
inquiry = How are you?  
  
MessagesBundle_de_DE.properties file:  
  
inquiry = Wie geht's?
```

and given the code fragment:

```
Locale currentLocale;
// line 1
ResourceBundle messages = ResourceBundle.getBundle("MessagesBundle", currentLocale);
System.out.println(messages.getString("inquiry"));
```

Which two code fragments, when inserted at line 1 independently, enable the code to print “Wie geht’s?”

- A. currentLocale = new Locale (“de”, “DE”);
- B. currentLocale = new Locale.Builder ().setLanguage (“de”).setRegion (“DE”).build ();
- C. currentLocale = Locale.GERMAN;
- D. currentLocale = new Locale(); currentLocale.setLanguage (“de”); currentLocale.setRegion (“DE”);
- E. currentLocale = Locale.getInstance(Locale.GERMAN,Locale.GERMANY);

**Answer: B**

## NEW QUESTION 22

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<Object, Object> percentage = new Foo<String, Integer>(“Steve”, 100);
- D. Foo<String, String> grade = new Foo <> (“John”, “A”);

**Answer: A**

## NEW QUESTION 27

Given:

```
IntStream stream = IntStream.of (1,2,3); IntFunction<Integer> inFu= x -> y -> x*y; //line n1
```

```
IntStream newStream = stream.map(inFu.apply(10)); //line n2 newStream.forEach(System.out::print);
```

Which modification enables the code fragment to compile?

- A. Replace line n1 with: IntFunction<UnaryOperator> inFu = x -> y -> x\*y;
- B. Replace line n1 with: IntFunction<IntUnaryOperator> inFu = x -> y -> x\*y;
- C. Replace line n1 with: BiFunction<IntUnaryOperator> inFu = x -> y -> x\*y;
- D. Replace line n2 with: IntStream newStream = stream.map(inFu.applyAsInt (10));

**Answer: B**

## NEW QUESTION 31

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

- A. Support for new regional languages does not require recompilation of the code.
- B. Textual elements (messages and GUI labels) are hard-coded in the code.
- C. Language and region-specific programs are created using localized data.
- D. Resource bundle files include data and currency information.
- E. Language codes use lowercase letters and region codes use uppercase letters.

**Answer: AE**

## NEW QUESTION 33

Given:

```
public class Customer { private String fName; private String lName; private static int count;
```

```
public customer (String first, String last) {fName = first, lName = last;
```

```
++count;}
```

```
static { count = 0; }
```

```
public static int getCount() {return count; }
```

```
}
```

```
public class App {
```

```
public static void main (String [] args) { Customer c1 = new Customer(“Larry”, “Smith”);
```

```
Customer c2 = new Customer(“Pedro”, “Gonzales”); Customer c3 = new Customer(“Penny”, “Jones”); Customer c4 = new Customer(“Lars”, “Svenson”); c4 =
```

```
null;
```

```
c3 = c2;
```

```
System.out.println (Customer.getCount());
}
}
```

What is the result?

- A. 2
- B. 3
- C. 4
- D. 5

**Answer: D**

#### NEW QUESTION 35

Given:

```
class Bird {
public void fly () { System.out.print("Can fly"); }
}
class Penguin extends Bird {
public void fly () { System.out.print("Cannot fly"); }
}
```

and the code fragment: class Birdie {  
public static void main (String [ ] args) { fly( ) -> new Bird ( );  
fly (Penguin : : new);  
}  
/\* line n1 \*/  
}

Which code fragment, when inserted at line n1, enables the Birdie class to compile?

- A. static void fly (Consumer<Bird> bird) { bird :: fly ();}
- B. static void fly (Consumer<? extends Bird> bird) {bird.accept( ) fly ();}
- C. static void fly (Supplier<Bird> bird) { bird.get( ) fly ();}
- D. static void fly (Supplier<? extends Bird> bird) { LOST

**Answer: C**

#### NEW QUESTION 38

Given:

```
public class Counter {
public static void main (String[ ] args) { int a = 10;
int b = -1;
assert (b >=1) : "Invalid Denominator"; int = a / b;
System.out.println (c);
}
}
```

What is the result of running the code with the -ea option?

- A. -10
- B. An AssertionError is thrown.
- C. A compilation error occurs.

**Answer: C**

#### NEW QUESTION 43

Given the definition of the Book class:

```
public class Book {
    private int id;
    private String name;
    public Book(int id, String name) {this.id = id; this.name = name;}
    public int getId() { return id; }
    public String getName() { return name; }
    public void setId(int id) { this.id = id; }
    public void setName(String name) { this.name = name; }
}
```

Which statement is true about the Book class?

- A. It demonstrates encapsulation.
- B. It is defined using the factory design pattern.
- C. It is defined using the singleton design pattern.
- D. It demonstrates polymorphism.
- E. It is an immutable class.

**Answer: A**

#### NEW QUESTION 45

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

#### NEW QUESTION 50

Given the records from the Employee table:

eid	ename
111	Tom
112	Jerry
113	Donald

and given the code fragment:

```
try {
    Connection conn = DriverManager.getConnection (URL, userName, passWord);
    Statement st = conn.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,
    ResultSet.CONCUR_UPDATABLE);
    st.execute("SELECT*FROM Employee");
    ResultSet rs = st.getResultSet();
    while (rs.next()) {
        if (rs.getInt(1) ==112) { rs.updateString(2, "Jack");
        }
    }
    rs.absolute(2);
    System.out.println(rs.getInt(1) + " " + rs.getString(2));
} catch (SQLException ex) { System.out.println("Exception is raised");
}
```

Assume that:

The required database driver is configured in the classpath.

The appropriate database accessible with the URL, userName, and passWord exists. What is the result?

- A. The Employee table is updated with the row: 112 Jack and the program prints: 112 Jerry
- B. The Employee table is updated with the row: 112 Jack and the program prints: 112 Jack
- C. The Employee table is not updated and the program prints: 112 Jerry
- D. The program prints Exception is raised.

**Answer:** A

#### NEW QUESTION 51

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 at line n1.

**Answer:** C

#### NEW QUESTION 52

Given the code fragment: public class Foo {

public static void main (String [ ] args) {

Map<Integer, String> unsortMap = new HashMap< > ( ); unsortMap.put (10, "z");

unsortMap.put (5, "b");

```
unsortMap.put (1, "d");
unsortMap.put (7, "e");
unsortMap.put (50, "j");
Map<Integer, String> treeMap = new TreeMap <Integer, String> (new Comparator<Integer> ( ) {
@Override public int compare (Integer o1, Integer o2) {return o2.compareTo
(o1); } } );
treeMap.putAll (unsortMap);
for (Map.Entry<Integer, String> entry : treeMap.entrySet ( ) ) { System.out.print (entry.getValue ( ) + " ");
}
}
}
```

What is the result?

- A. A compilation error occurs.
- B. d b e z j
- C. j z e b d
- D. z b d e j

**Answer:** C

#### NEW QUESTION 56

Locale	Currency Symbol	Currency Code
US	\$	USD

and the code fragment?

```
double d = 15;
Locale l = new Locale("en", "US");
NumberFormat formatter = NumberFormat.getCurrencyInstance(l);
System.out.println(formatter.format(d));
```

What is the result?

- A. \$15.00
- B. 15 \$
- C. USD 15.00
- D. USD \$15

**Answer:** A

#### NEW QUESTION 58

Given the code fragments:

```
4. void doStuff() throws ArithmeticException, NumberFormatException, Exception
{
5. if (Math.random() > -1 throw new Exception ("Try again"); 6. }
and
24. try {
25. doStuff ( );
26. } catch (ArithmeticException | NumberFormatException | Exception e) {
27. System.out.println (e.getMessage()); }
28. catch (Exception e) {
29. System.out.println (e.getMessage()); }
30. }
```

Which modification enables the code to print Try again?

- A. Comment the lines 28, 29 and 30.
- B. Replace line 26 with:} catch (Exception | ArithmeticException | NumberFormatException e) {
- C. Replace line 26 with:} catch (ArithmeticException | NumberFormatException e) {
- D. Replace line 27 with: throw e;

**Answer:** C

#### NEW QUESTION 59

Given:

```
public class Vehicle {
    int vId;
    String vName;
    public Vehicle(int vIdArg, String vNameArg) {
        this.vId = vIdArg;
        this.vName = vNameArg;
    }
    public int getVId() { return vId; }
    public String getVName() { return vName; }
    public String toString() {
        return vName;
    }
}
```

and the code fragment:

```
List<Vehicle> vehicle = Arrays.asList(
    new Vehicle(2, "Car"),
    new Vehicle(3, "Bike"),
    new Vehicle(1, "Truck"));
vehicle.stream()
    // line n1
    .forEach(System.out::print);
```

Which two code fragments, when inserted at line n1 independently, enable the code to print TruckCarBike?

- A. .sorted ((v1, v2) -> v1.getVId() < v2.getVId())
- B. .sorted (Comparable.comparing (Vehicle: :getVName)).reversed ()
- C. .map (v -> v.getVId()).sorted ()
- D. .sorted((v1, v2) -> Integer.compare(v1.getVId(), v2.getVId()))
- E. .sorted(Comparator.comparing ((Vehicle v) -> v.getVId()))

**Answer: B**

#### NEW QUESTION 62

Given the code fragment:

```
//line n1
System.out.println(iP);
```

Which code fragment, when inserted at line n1, enables the code to print /First.txt?

- A. Path iP = new Paths ("/First.txt");
- B. Path iP = Paths.toPath ("/First.txt");
- C. Path iP = new Path ("/First.txt");
- D. Path iP = Paths.get ("/", "First.txt");

**Answer: D**

#### NEW QUESTION 63

Given the code fragment:

```
final String str1 = "Java";
StringBuffer strBuf = new StringBuffer("Course");
UnaryOperator<String> u = (str2) -> str1.concat(str2); // line n1
UnaryOperator<String> c = (str3) -> str3.toLowerCase();
System.out.println(u.apply(c.apply(strBuf))); // line n2
```

What is the result?

- A. A compilation error occurs at line n1.
- B. courseJava
- C. Javacourse
- D. A compilation error occurs at line n2.

**Answer: A**

**NEW QUESTION 65**

Given:

```
class Counter extends Thread {
    int i = 10;
    public synchronized void display(Counter obj) {
        try {
            Thread.sleep(5);
            obj.increment(this);
            System.out.println(i);
        } catch (InterruptedException ex) { }
    }
    public synchronized void increment (Counter obj) {
        i++;
    }
}

public class Test {
    public static void main(String[] args) {
        final Counter obj1 = new Counter();
        final Counter obj2 = new Counter();
        new Thread(new Runnable() {
            public void run() {obj1.display(obj2);
            }
        }).start();
        new Thread(new Runnable() {
            public void run() { obj2.display(obj1); }
        }).start();
    }
}
```

From what threading problem does the program suffer?

- A. race condition
- B. deadlock
- C. starvation
- D. livelock

**Answer:** B**NEW QUESTION 66**

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);
System.out.print(DateTimeFormatter.ofPattern("H:mm - ").format(dt2));
System.out.println("difference: " + ChronoUnit.HOURS.between(dt, dt2));
```

Which is the result?

- A. 3:00 – difference: 2
- B. 2:00 – difference: 1
- C. 4:00 – difference: 3
- D. 4:00 – difference: 2

**Answer:** B**NEW QUESTION 67**

Given the code fragment:

```
ZonedDateTime depart = ZonedDateTime.of(2015, 1, 15, 3, 0, 0, 0, ZoneID.of("UTC-7"));
```

```
ZonedDateTime arrive = ZonedDateTime.of(2015, 1, 15, 9, 0, 0, 0, ZoneID.of("UTC-5"));
```

```
long hrs = ChronoUnit.HOURS.between(depart, arrive); //line n1 System.out.println("Travel time is" + hrs + "hours");
```

What is the result?

- A. Travel time is 4 hours
- B. Travel time is 6 hours
- C. Travel time is 8 hours
- D. An exception is thrown at line n1.

**Answer: A**

#### NEW QUESTION 68

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: D**

#### NEW QUESTION 70

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;
    }
    public String getCourse() { return course; }
    public String getName() { return name; }
    public String getCity() { return 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 EEJava ME
- C. [Java ME: Jessy:Chicago, Java ME: Mark:Chicago] [Java EE: Helen:Houston]
- D. A compilation error occurs.

**Answer: D**

#### NEW QUESTION 74

Given:

```
public interface LengthValidator {  
    public boolean checkLength(String str);  
}
```

and

```
public class Txt {  
    public static void main(String[] args) {  
        boolean res = new LengthValidator() {  
            public boolean checkLength(String str) {  
                return str.length() > 5 && str.length() < 10;  
            }  
        }.checkLength("Hello");  
    }  
}
```

Which interface from the java.util.function package should you use to refactor the class Txt?

- A. Consumer
- B. Predicate
- C. Supplier
- D. Function

**Answer: C**

#### NEW QUESTION 75

Given the code fragment: Stream<List<String>> iStr= Stream.of ( Arrays.asList ("1", "John"), Arrays.asList ("2", null)0;  
Stream<<String> nInSt = iStr.flatMapToInt ((x) -> x.stream ()); nInSt.forEach (System.out :: print);  
What is the result?

- A. 1John2null
- B. 12
- C. A NullPointerException is thrown at run time.
- D. A compilation error occurs.

**Answer: D**

#### NEW QUESTION 76

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

**Answer: B**

#### NEW QUESTION 81

Given the code fragment:  
List<String> colors = Arrays.asList("red", "green", "yellow"); Predicate<String> test = n -> { System.out.println("Searching...");  
return n.contains("red");  
};  
colors.stream()  
.filter(c -> c.length() > 3)  
.allMatch(test); What is the result?

- A. Searching...
- B. Searching...Searching...
- C. Searching...Searching... Searching...
- D. A compilation error occurs.

**Answer:** A

#### NEW QUESTION 82

Given:

```
interface Rideable {Car getCar (String name); } class Car {  
private String name; public Car (String name) { this.name = name;  
}  
}
```

Which code fragment creates an instance of Car?

- A. Car auto = Car ("MyCar"): : new;
- B. Car auto = Car : : new;Car vehicle = auto : : getCar("MyCar");
- C. Rideable rider = Car : : new;Car vehicle = rider.getCar("MyCar");
- D. Car vehicle = Rideable : : new : : getCar("MyCar");

**Answer:** C

#### NEW QUESTION 83

Given the code fragment:

```
LocalDate valentinesDay =LocalDate.of(2015, Month.FEBRUARY, 14); LocalDate nextYear = valentinesDay.plusYears(1); nextYear.plusDays(15); //line n1  
System.out.println(nextYear);
```

What is the result?

- A. 2016-02-14
- B. A DateTimeException is throw
- C. 2016-02-29
- D. A compilation error occurs at line n1.

**Answer:** A

#### NEW QUESTION 85

Given the definition of the Country class:

```
public class country {  
public enum Continent {ASIA, EUROPE} String name;  
Continent region;  
public Country (String na, Continent reg) { name = na, region = reg;  
}  
public String getName () {return name;} public Continent getRegion () {return region;}  
}
```

and the code fragment:

```
List<Country> couList = Arrays.asList (  
new Country ("Japan", Country.Continent.ASIA), new Country ("Italy", Country.Continent.EUROPE),  
new Country ("Germany", Country.Continent.EUROPE)); Map<Country.Continent, List<String>> regionNames = couList.stream ()  
.collect(Collectors.groupingBy (Country ::getRegion, Collectors.mapping(Country::getName, Collectors.toList()))); System.out.println(regionNames);
```

- A. {EUROPE = [Italy, Germany], ASIA = [Japan]}
- B. {ASIA = [Japan], EUROPE = [Italy, Germany]}
- C. {EUROPE = [Germany, Italy], ASIA = [Japan]}
- D. {EUROPE = [Germany], EUROPE = [Italy], ASIA = [Japan]}

**Answer:** B

#### NEW QUESTION 86

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

#### NEW QUESTION 89

Given the code fragment:

```
public static void main(String[] args) {  
    Console console = System.console();  
    char[] pass = console.readPassword("Enter password:"); // line n1  
    String password = new String(pass); // line n2  
}
```

What is the result?

- A. A compilation error occurs at line n1.
- B. A compilation error occurs at line n2.
- C. The code reads the password without echoing characters on the console.
- D. A compilation error occurs because the IOException isn't declared to be thrown or caught?

**Answer: D**

#### NEW QUESTION 92

Given:

Item table

- ID, INTEGER: PK
- DESCRIP, VARCHAR(100)
- PRICE, REAL
- QUANTITY< INTEGER

And given the code fragment:

```
9. try {  
10. Connection conn = DriverManager.getConnection(dbURL, username, password);  
11. String query = "Select * FROM Item WHERE ID = 110";  
12. Statement stmt = conn.createStatement();  
13. ResultSet rs = stmt.executeQuery(query);  
14. while(rs.next()) {  
15. System.out.println("ID: " + rs.getInt("Id"));  
16. System.out.println("Description: " + rs.getString("Descrip"));  
17. System.out.println("Price: " + rs.getDouble("Price"));  
18. System.out.println(Quantity: " + rs.getInt("Quantity"));  
19. }  
20. } catch (SQLException se) {  
21. System.out.println("Error");  
22. }
```

Assume that:

The required database driver is configured in the classpath.

The appropriate database is accessible with the dbURL, userName, and passWord exists. The SQL query is valid.

What is the result?

- A. An exception is thrown at runtime.
- B. Compilation fails.
- C. The code prints Error.
- D. The code prints information about Item 110.

**Answer: D**

#### NEW QUESTION 95

Given the code fragment:

```
Deque<String> queue = new ArrayDeque<>();  
queue.add("Susan");  
queue.add("Allen");  
queue.add("David");  
System.out.println(queue.pop());  
System.out.println(queue.remove());  
System.out.println(queue);
```

What is the result?

- A. DavidDavid[Susan, Allen]
- B. SusanSusan[Susan, Allen]
- C. SusanAllen [David]
- D. DavidAllen [Susan]
- E. SusanAllen[Susan, David]

**Answer: C**

#### NEW QUESTION 99

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. Logged out at: 2015-01-12T21:58:19.880Z
- C. Can't logout
- D. Logged out at: 2015-01-12T21:58:00Z

**Answer:** D

#### NEW QUESTION 102

Assume customers.txt is accessible and contains multiple lines. Which code fragment prints the contents of the customers.txt file?

- A. `Stream<String> stream = Files.find (Paths.get ("customers.txt")); stream.forEach((String c) -> System.out.println(c));`
- B. `Stream<Path> stream = Files.find (Paths.get ("customers.txt")); stream.forEach( c) -> System.out.println(c));`
- C. `Stream<Path> stream = Files.list (Paths.get ("customers.txt")); stream.forEach( c) -> System.out.println(c));`
- D. `Stream<String> lines = Files.lines (Paths.get ("customers.txt")); lines.forEach( c) -> System.out.println(c));`

**Answer:** A

#### NEW QUESTION 105

Given the code fragment:

```
final List<String> list = new CopyOnWriteArrayList<>();
final AtomicInteger ai = new AtomicInteger(0);
final CyclicBarrier barrier = new CyclicBarrier(2, new Runnable() {
    public void run() { System.out.println(list); }
});
Runnable r = new Runnable() {
    public void run() {
        try {
            Thread.sleep(1000 * ai.incrementAndGet());
            list.add("X");
            barrier.await();
        } catch (Exception ex) {
        }
    }
};
new Thread(r).start();
new Thread(r).start();
new Thread(r).start();
new Thread(r).start();
```

What is the result ?

- A. [X][X, X][X, X, X][X, X, X, X]
- B. [X, X]
- C. [X][X, X][X, X, X]
- D. [X, X][X, X, X, X]

**Answer:** A

**NEW QUESTION 109**

Given:

```
class Vehicle { int vno;  
String name;  
public Vehicle (int vno, String name) { this.vno = vno,;  
this.name = name;  
}  
public String toString () { return vno + ":" + name;  
}  
}
```

and this code fragment:

```
Set<Vehicle> vehicles = new TreeSet <> (); vehicles.add(new Vehicle (10123, "Ford")); vehicles.add(new Vehicle (10124, "BMW")); System.out.println(vehicles);  
What is the result?
```

- A. 10123 Ford10124 BMW
- B. 10124 BMW10123 Ford
- C. A compilation error occurs.
- D. A ClassCastException is thrown at run time.

**Answer: D****NEW QUESTION 110**

Given:

```
interface Doable {  
public void doSomething (String s);  
}
```

Which two class definitions compile? (Choose two.)

- A. public abstract class Task implements Doable { public void doSomethingElse(String s) { }}
- B. public abstract class Work implements Doable { public abstract void doSomething(String s) { } public void doYourThing(Boolean b) { }}
- C. public class Job implements Doable { public void doSomething(Integer i) { }}
- D. public class Action implements Doable { public void doSomething(Integer i) { } public String doThis(Integer j) { }}
- E. public class Do implements Doable { public void doSomething(Integer i) { } public void doSomething(String s) { } public void doThat (String s) { }}

**Answer: AE****NEW QUESTION 112**

Given the records from the STUDENT table:

sid	sname	semail
111	James	james@uni.com
112	Jane	jane@uni.com
114	John	john@uni.com

Given the code fragment:

```
public static void main(String[] args) throws SQLException {  
    //code to load and register valid jdbc driver go here  
    Connection con = DriverManager.getConnection(URL, username, password);  
    Statement st = con.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,  
                                       ResultSet.CONCUR_UPDATABLE);  
  
    st.execute("SELECT * FROM student");  
    ResultSet rs = st.getResultSet();  
    rs.absolute(3);  
    rs.moveToInsertRow();  
    rs.updateInt(1, 113);  
    rs.updateString(2, "Jannet");  
    rs.updateString(3, "jannet@uni.com");  
    rs.updateRow();  
    rs.refreshRow();  
    System.out.println(rs.getInt(1) + " : " + rs.getString(2) + " : " + rs.getString  
(3));  
}
```

Assume that the URL, username, and password are valid. What is the result?

- A. The STUDENT table is not updated and the program prints: 114 : John : john@uni.com
- B. The STUDENT table is updated with the record: 113 : Jannet : jannet@uni.comand the program prints: 114 : John : john@uni.com
- C. The STUDENT table is updated with the record: 113 : Jannet : jannet@uni.comand the program prints:113 : Jannet : jannet@uni.com
- D. A SQLException is thrown at run time.

**Answer: A**

**NEW QUESTION 114**

Given the code fragments:

```
public class Video {
    public void play() throws IOException {
        System.out.print("Video played.");
    }
}

public class Game extends Video {
    public void play() throws Exception {
        super.play();
        System.out.print("Game played.");
    }
}
```

and

```
try {
    new Game().play();
} catch (Exception e) {
    System.out.print(e.getClass());
}
```

What is the result?

- A. Video played.Game played.
- B. A compilation error occurs.
- C. class java.lang.Exception
- D. class java.io.IOException

**Answer: C**

**NEW QUESTION 118**

Given:

```
class Engine {
    double fuelLevel;
    Engine(int fuelLevel) { this.fuelLevel = fuelLevel; }
    public void start() {
        // line n1
        System.out.println("Started");
    }
    public void stop() { System.out.println("Stopped"); }
}
```

Your design requires that:

- ☒ fuelLevel of Engine must be greater than zero when the start() method is invoked.
- ☒ The code must terminate if fuelLevel of Engine is less than or equal to zero.

Which code fragment should be added at line n1 to express this invariant condition?

- A. `assert (fuelLevel) : "Terminating..."`;
- B. `assert (fuelLevel > 0) : System.out.println ("Impossible fuel")`;
- C. `assert fuelLevel < 0: System.exit(0)`;
- D. `assert fuelLevel > 0: "Impossible fuel" ;`

**Answer: C**

**NEW QUESTION 123**

Given the code fragment:

```
List<Integer> list1 = Arrays.asList(10, 20); List<Integer> list2 = Arrays.asList(15, 30);
```

//line n1

Which code fragment, when inserted at line n1, prints 10 20 15 30?

- A. `Stream.of(list1, list2).flatMap(list -> list.stream()).forEach(s -> System.out.print(s + " "));`
- B. `Stream.of(list1, list2).flatMap(list -> list.intStream()).forEach(s -> System.out.print(s + " "));`

C. list1.stream().flatMap(list2.stream()).flatMap(e1 -> e1.stream()).forEach(s -> System.out.println(s + " "));  
D. Stream.of(list1, list2).flatMapToInt(list -> list.stream()).forEach(s -> System.out.print(s + " "));

**Answer:** A

#### NEW QUESTION 126

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:** CDE

#### 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.ResultSet. They must also implement the java.sql.Driver interface for use by the generic java.sql.DriverManager interface.

#### NEW QUESTION 129

Given the code fragment:

```
List<String> qwords = Arrays.asList("why ", "what ", "when ");
BinaryOperator<String> operator = (s1, s2) -> s1.concat(s2); // line n1
String sen = qwords.stream()
    .reduce("Word: ", operator);
System.out.println(sen);
```

What is the result?

- A. Word: why what when
- B. Word: why Word: why what Word: why what when
- C. Word: why Word: what Word: when
- D. Compilation fails at line n1.

**Answer:** A

#### NEW QUESTION 131

Given the code fragment: UnaryOperator<Integer> uo1 = s -> s\*2; line n1  
List<Double> loanValues = Arrays.asList(1000.0, 2000.0); loanValues.stream()  
.filter(lv -> lv >= 1500)  
.map(lv -> uo1.apply(lv))  
.forEach(s -> System.out.print(s + " ")); What is the result?

- A. 4000.0
- B. 4000
- C. A compilation error occurs at line n1.
- D. A compilation error occurs at line n2.



**Answer:** D

#### NEW QUESTION 136

Given the code fragment:

```
try {
    Properties prop = new Properties();
    prop.put("user", userName);
    prop.put("password", passWord);
    Connection conn = DriverManager.getConnection(dbURL, prop);
    if(conn != null){
        System.out.print("Connection Established");
    }
} catch (Exception e) {
    System.out.print(e);
}
```

and the information:

-  The required database driver is configured in the classpath.
-  The appropriate database is accessible with the dbURL, username, and passWord exists. What is the result?

- A. A ClassNotFoundException is thrown at runtime.
- B. The program prints nothing.
- C. The program prints Connection Established.
- D. A SQLException is thrown at runtime.

**Answer: C**

#### NEW QUESTION 139

Given the code fragment:

```
9. Connection conn = DriverManager.getConnection(dbURL, userName, passWord);
10. String query = "SELECT id FROM Employee";
11. try (Statement stmt = conn.createStatement()) {
12.     ResultSet rs = stmt.executeQuery(query);
13.     stmt.executeQuery("SELECT id FROM Customer");
14.     while (rs.next()) {
15.         //process the results
16.         System.out.println("Employee ID: "+ rs.getInt("id"));
17.     }
18. } catch (Exception e) {
19.     System.out.println ("Error");
20. }
```

Assume that:

The required database driver is configured in the classpath.

The appropriate database is accessible with the dbURL, userName, and passWord exists.

The Employee and Customer tables are available and each table has id column with a few records and the SQL queries are valid.

What is the result of compiling and executing this code fragment?

- A. The program prints employee IDs.
- B. The program prints customer IDs.
- C. The program prints Error.
- D. compilation fails on line 13.

**Answer: C**

#### NEW QUESTION 141

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: BD**

#### NEW QUESTION 146

Given:

```
public class product { int id; int price;
public Product (int id, int price) { this.id = id;
this.price = price;
}
public String toString() { return id + ":" + price; }
}
```

and the code fragment:

```
List<Product> products = Arrays.asList(new Product(1, 10), new Product (2, 30),
new Product (2, 30));
Product p = products.stream().reduce(new Product (4, 0), (p1, p2) -> { p1.price+=p2.price;
return new Product (p1.id, p1.price);}); products.add(p); products.stream().parallel()
.reduce((p1, p2) -> p1.price > p2.price ? p1 : p2)
.ifPresent(System.out::println); What is the result?
```

- A. 2 : 30
- B. 4 : 0
- C. 4 : 60
- D. 4 : 602 : 303 : 201 : 10
- E. The program prints nothing.

**Answer: C**

#### NEW QUESTION 151

Given the content:

MessagesBundle.properties file:

```
username = Enter User Name  
password = Enter Password
```

MessagesBundle\_fr\_FR.properties file:

```
username = Entrez le nom d'utilisateur  
password = Entrez le mot de passe
```

and the code fragment:

```
Locale currentLocale = new Locale.Builder().setRegion("FR").setLanguage("fr").build();  
ResourceBundle messages = ResourceBundle.getBundle("MessagesBundle", currentLocale);  
Enumeration<String> names = messages.getKeys();  
while (names.hasMoreElements()) {  
    String key = names.nextElement();  
    String name = messages.getString(key);  
    System.out.println(key + " = " + name);  
}
```

What is the result?

- A. username = Entrez le nom d'utilisateur password = Entrez le mot de passe
- B. username = Enter User Name password = Enter Password
- C. A compilation error occurs.
- D. The program prints nothing.

**Answer:** A

#### NEW QUESTION 153

Given:

```
public interface Moveable<Integer> {  
    public default void walk (Integer distance) {System.out.println("Walking");} public void run(Integer distance);  
}
```

Which statement is true?

- A. Moveable can be used as below: Moveable<Integer> animal = n -> System.out.println("Running" + n); animal.run(100);animal.walk(20);
- B. Moveable can be used as below: Moveable<Integer> animal = n -> n + 10; animal.run(100);animal.walk(20);
- C. Moveable can be used as below: Moveable animal = (Integer n) -> System.out.println(n); animal.run(100);Moveable.walk(20);
- D. Movable cannot be used in a lambda expression.

**Answer:** A

#### NEW QUESTION 154

Given the content of Operator.java, EngineOperator.java, and Engine.java files:

```
Operator.java:
public abstract class Operator {
    protected void turnON();
    protected void turnOFF();
}

EngineOperator.java:
public class EngineOperator extends Operator{
    public final void turnON() { System.out.print("ON "); }
    public final void turnOFF() { System.out.println("OFF"); }
}

Engine.java:
public class Engine{
    Operator m = new EngineOperator();
    public void operate() {
        m.turnON();
        m.turnOFF();
    }
}
```

and the code fragment:

```
Engine carEngine = new Engine();
carEngine.operate();
```

What is the result?

- A. The Engine.java file fails to compile.
- B. The EngineOperator.java file fails to compile.
- C. The Operator.java file fails to compile.
- D. ON OFF

**Answer:** A

#### NEW QUESTION 157

Given that version.txt is accessible and contains: 1234567890

and given the code fragment:

```
try (FileInputStream fis = new FileInputStream("version.txt");
     InputStreamReader isr = new InputStreamReader(fis);
     BufferedReader br = new BufferedReader(isr);) {
    if (br.markSupported()) {
        System.out.print((char) br.read());
        br.mark(2);
        System.out.print((char) br.read());
        br.reset();
        System.out.print((char) br.read());
    }
} catch (Exception e) {
    e.printStackTrace();
}
```

What is the result?

- A. 121
- B. 122
- C. 135
- D. The program prints nothing.

**Answer:** B

#### NEW QUESTION 158

Given the code fragments:

```
class Caller implements Callable<String> { String str;
public Caller (String s) {this.str=s;}
public String call()throws Exception { return str.concat ("Caller");}
}
class Runner implements Runnable { String str;
public Runner (String s) {this.str=s;}
public void run () { System.out.println (str.concat ("Runner"));}
}
and
public static void main (String[] args) InterruptedException, ExecutionException
{
ExecutorService es = Executors.newFixedThreadPool(2); Future f1 = es.submit (new Caller ("Call"));
Future f2 = es.submit (new Runner ("Run")); String str1 = (String) f1.get();
String str2 = (String) f2.get(); //line n1 System.out.println(str1+ ":" + str2);
}
```

What is the result?

- A. The program prints: Run RunnerCall Caller : nullAnd the program does not terminate.
- B. The program terminates after printing: Run RunnerCall Caller : Run
- C. A compilation error occurs at line n1.
- D. An Execution is thrown at run time.

**Answer:** A

#### NEW QUESTION 159

Given the code fragments :

```
public class Product {
    String name;
    Integer price;
    Product(String name, Integer price) {
        this.name = name;
        this.price = price;
    }
    public void printVal(){ System.out.print(name + " Price:" + price + " "); }
    public void setPrice(int price) { this.price = price; }
    public Integer getPrice() { return price; }
}
```

and

```
List<Product> li = Arrays.asList(new Product("TV", 1000), new Product("Refrigerator",
2000));
Consumer<Product> raise = e -> e.setPrice(e.getPrice() + 100);
li.forEach(raise);
li.stream().forEach(Product::printVal);
```

What is the result?

- A. TV Price :110 Refrigerator Price :2100
- B. A compilation error occurs.
- C. TV Price :1000 Refrigerator Price :2000
- D. The program prints nothing.

**Answer:** C

#### NEW QUESTION 162

Given the code fragment:

```
10. try {
11.     Connection conn = DriverManager.getConnection(dbURL, userName, passWord);
12.     String query = "SELECT * FROM Employee WHERE ID = 110";
13.     Statement stmt = conn.createStatement();
14.     ResultSet rs = stmt.executeQuery(query);
15.     System.out.println("Employee ID: " + rs.getInt("ID"));
16. } catch (Exception se) {
17.     System.out.println("Error");
18. }
```

Assume that:

The required database driver is configured in the classpath.

The appropriate database is accessible with the dbURL, userName, and passWord exists The Employee table has a column ID of type integer and the SQL query matches one record. What is the result?

- A. Compilation fails at line 14.
- B. Compilation fails at line 15.
- C. The code prints the employee ID.

D. The code prints Error.

**Answer:** A

#### NEW QUESTION 164

Which two reasons should you use interfaces instead of abstract classes? (Choose two.)

- A. You expect that classes that implement your interfaces have many common methods or fields, or require access modifiers other than public.
- B. You expect that unrelated classes would implement your interfaces.
- C. You want to share code among several closely related classes.
- D. You want to declare non-static on non-final fields.
- E. You want to take advantage of multiple inheritance of type.

**Answer:** BE

#### NEW QUESTION 166

Given:

```
class UserException extends Exception { }
```

```
class AgeOutOfLimitException extends UserException { }
```

 and the code fragment:

```
class App {
```

```
public void doRegister(String name, int age) throws UserException, AgeOutOfLimitException { if (name.length () < 6) {  
throw new UserException ();
```

```
} else if (age >= 60) {
```

```
throw new AgeOutOfLimitException ();
```

```
} else {
```

```
System.out.println("User is registered.");
```

```
}
```

```
}
```

```
public static void main(String[] args) throws UserException { App t = new App ();
```

A. t.doRegister("Mathew", 60); } } What is the result?

B. User is registered.

C. An AgeOutOfLimitException is thrown.

D. A UserException is thrown.

E. A compilation error occurs in the main method.

**Answer:** B

#### NEW QUESTION 167

Given the code fragment:

```
public static void main (String [ ] args) throws IOException {
```

```
BufferedReader br = new BufferedReader (new InputStreamReader (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:** A

#### NEW QUESTION 170

Given:

```
class Worker extends Thread { CyclicBarrier cb;
```

```
public Worker(CyclicBarrier cb) { this.cb = cb; } public void run () {
```

```
try { cb.await();
```

```
System.out.println("Worker...");
```

```
} catch (Exception ex) { }
```

```
}
```

```
}
```

```
class Master implements Runnable { //line n1 public void run () { System.out.println("Master...");
```

```
}
```

```
}
```

and the code fragment:

```
Master master = new Master();
```

```
//line n2
```

```
Worker worker = new Worker(cb); worker.start();
```

You have been asked to ensure that the run methods of both the Worker and Master classes are executed. Which modification meets the requirement?

A. At line n2, insert CyclicBarrier cb = new CyclicBarrier(2, master);

B. Replace line n1 with class Master extends Thread {

C. At line n2, insert CyclicBarrier cb = new CyclicBarrier(1, master);

D. At line n2, insert CyclicBarrier cb = new CyclicBarrier(master);

**Answer:** C

**NEW QUESTION 173**

Given the code fragments:

```
class Employee { Optional<Address> address;  
Employee (Optional<Address> address) { this.address = address;  
}  
public Optional<Address> getAddress() { return address; }  
}  
class Address {  
String city = "New York";  
public String getCity { return city; } public String toString() {  
return city;  
}  
}  
and  
Address address = null;  
Optional<Address> addrs1 = Optional.ofNullable (address);  
Employee e1 = new Employee (addrs1);  
String eAddress = (addrs1.isPresent()) ? addrs1.get().getCity() : "City Not available";  
What is the result?
```

- A. New York
- B. City Not available
- C. null
- D. A NoSuchElementException is thrown at run time.

**Answer: B**

**NEW QUESTION 175**

Given:

```
class DataConverter {  
    public void copyFlatFilesToTables() { }  
    public void close() throws Exception {  
        throw new RuntimeException(); // line n1  
    }  
}
```

and the code fragment:

```
public static void main(String[] args) throws Exception {  
    try (DataConverter dc = new DataConverter()) // line n2  
    { dc.copyFlatFilesToTables(); }  
}
```

What is the result?

- A. A compilation error occurs at line n2.
- B. A compilation error occurs because the try block doesn't have a catch or finally block.
- C. A compilation error occurs at line n1.
- D. The program compiles successfully.

**Answer: B**

**NEW QUESTION 178**

Given the code fragments:

```
class R implements Runnable {  
    public void run() { System.out.println("Run..."); }  
}  
  
class C implements Callable<String> {  
    public String call() throws Exception { return "Call..."; }  
}
```

and

```
ExecutorService es = Executors.newSingleThreadExecutor();
es.execute(new R()); // line n1
Future<String> f1 = es.submit(new C()); // line n2
System.out.println(f1.get());
es.shutdown();
```

What is the result?

- A. The program prints Run... and throws an exception.
- B. A compilation error occurs at line n1.
- C. Run...Call...
- D. A compilation error occurs at line n2.

**Answer:** B

#### NEW QUESTION 182

Given the Greetings.properties file, containing:

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

and given:

```
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. Compilation fails.
- B. GOODBYE\_MSG
- C. Hello, everyone!
- D. Goodbye everyone!
- E. HELLO\_MSG

**Answer:** A

#### NEW QUESTION 187

Given the code fragments:

```
public static Optional<String> getCountry(String loc) {
    Optional<String> couName = Optional.empty();
    if ("Paris".equals(loc))
        couName = Optional.of("France");
    else if ("Mumbai".equals(loc))
        couName = Optional.of("India");
    return couName;
}
```

and

```
Optional<String> city1 = getCountry("Paris");
Optional<String> city2 = getCountry("Las Vegas");
System.out.println(city1.orElse("Not Found"));
if (city2.isPresent())
    city2.ifPresent(x -> System.out.println(x));
else
    System.out.println(city2.orElse("Not Found"));
```

What is the result?

- A. FranceOptional[NotFound]
- B. Optional [France] Optional [NotFound]
- C. Optional[France] Not Found
- D. FranceNot Found

**Answer:** D

#### NEW QUESTION 192

Given the code fragment:

```
List<Integer> li = Arrays.asList(10, 20, 30);  
Function<Integer, Integer> fn = f1 -> f1 + f1;  
Consumer<Integer> conVal = s -> System.out.print("Val:" + s + " ");  
li.stream().map(fn).forEach(conVal);
```

What is the result?

- A. Val:20 Val:40 Val:60
- B. Val:10 Val:20 Val:30
- C. A compilation error occurs.
- D. Val: Val: Val:

**Answer:** B

#### NEW QUESTION 193

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