Oracle

Exam Questions 1z0-808

Java SE 8 Programmer I

NEW QUESTION 1
Given:

```
public static void main(String[] args) {
    String ta = "A ";
    ta = ta.concat("B ");
    String tb = "C ";
    ta = ta.concat(tb);
    ta.replace('C', 'D');
    ta = ta.concat(tb);
    System.out.println(ta);
}
```

What is the result?

A. A B C D
B. A C D
C. A C D D
D. A B D
E. A B D C

Answer: C

NEW QUESTION 2
Given the content of three files:

```
A.java:

public class A {
    public void a() {}
    int a;
}

B.java:

public class B {
    private int doStuff() {
        private int x = 100;
        return x++;
    }
}

C.java:

import java.io.*;
package p1;
class A {
    public void main(String fileName) throws IOException { }
}
```

Which statement is true?

A. Only the A.Java file compiles successfully.
B. Only the B.java file compiles successfully.
C. Only the C.java file compiles successfully.
D. The A.Java and B.java files compile successfully.
E. The B.java and C.java files compile successfully.
F. The A.Java and C.java files compile successfully.

Answer: A

NEW QUESTION 3
Given the code fragments:

```
class Student {
    String name;
    int age;
}
```

And:

```
4.public class Test {
5.   public static void main(String[] args) {
6.         Student s1 = new Student();
7.         Student s2 = new Student();
8.         Student s3 = new Student();
9.         s1 = s3;
10.        s3 = s2;
11.        s2 = null;
12. }
13.}
```

Which statement is true?

A. After line 11, three objects are eligible for garbage collection.
B. After line 11, two objects are eligible for garbage collection.
C. After line 11, one object is eligible for garbage collection.
D. After line 11, none of the objects are eligible for garbage collection.

Answer: C

NEW QUESTION 4
Given the following main method:

```
public static void main(String[] args) {
    int num = 5;
    do {
        System.out.print(num-- +" ");
    } while (num == 0);
}
```

What is the result?

A. 5 4 3 2 1 0
B. 5 4 3 2 1
C. 4 2 1
D. 5
E. Nothing is printed

Answer: D

NEW QUESTION 5
Given the code fragments:

Person.java:

```java
public class Person {
    String name;
    int age;

    public Person(String n, int a) {
        name = n;
        age = a;
    }

    public String getName() {
        return name;
    }

    public int getAge() {
        return age;
    }
}
```

Test.java:

```java
public static void checkAge(List<Person> list, Predicate<Person> predicate) {
    for (Person p : list) {
        if (predicate.test(p)) {
            System.out.println(p.name + " ");
        }
    }
}

public static void main(String[] args) {
    List<Person> iList = Arrays.asList(new Person("Hank", 45),
                                       new Person("Charlie", 40),
                                       new Person("Smith", 38));
    //line n1
}
```

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

A

```java
    checkAge (iList, ( ) -> p. get Age ( ) > 40);
```

B

```java
    checkAge(iList, Person p -> p.getAge( ) > 40);
```

C

```java
    checkAge (iList, p -> p.getAge ( ) > 40);
```

D

```java
    checkAge(iList, (Person p) -> { p.getAge() > 40; });
```

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

Answer: C

NEW QUESTION 6
Given:

```
public class Test {
    public static void main(String[] args) {
        int x = 1;
        int y = 0;
        if(x++ > ++y) {
            System.out.print("Hello ");
        } else {
            System.out.print("Welcome ");
        }
        System.out.print("Log " + x + ":" + y);
    }
}
```

What is the result?

A. Hello Log 1:0
B. Hello Log 2:1
C. Welcome Log 2:1
D. Welcome Log 1:0

Answer: C

NEW QUESTION 7
Given:

```
public class App {
    int count;
    public static void displayMsg () {
        count++;                                        // line n1
    System.out.println ("Welcome "+"Visit Count: "+count); // line n2
    }
    public static void main (String [] args) {
        App.displayMsg ();                              // line n3
        App.displayMsg ();                              // line n4
    }
}
```

What is the result?

A. Compilation fails at line n3 and line n4.
B. Compilation fails at line n1 and line n2.
C. Welcome Visit Count:1Welcome Visit Count: 1
D. Welcome Visit Count:1Welcome Visit Count: 2

Answer: B

NEW QUESTION 8
Given:

```
class A {
    public void test () {
        System.out.println ("A");
    }
}
class B extends A {
    public void test () {
        System.out.println ("B");
    }
}
public class C extends A {
    public void test () {
        System.out.println ("C");
    }

    public static void main (String [] args) {
        A b1 = new A ();
        A b2 = new C ();

        b1 = (A) b2;            //line n1
        A b3 = (B) b2;          //line n2
        b1.test ();
        b3.test ();
    }
}
```

What is the result?

A. AB
B. AC
C. CC
D. A ClassCastException is thrown only at line n1.
E. A ClassCastException is thrown only at line n2.

Answer: B

NEW QUESTION 9
Given the code fragment:

```
int n [] [] = {{1, 3}, {2, 4 }};
for (int i = n.length-1; i >= 0; i--) {
    for (int y : n[i]) {
        System.out.print (y);
    }
}
```

What is the result?

A. 1324
B. 2313
C. 3142
D. 4231

Answer: D

NEW QUESTION 10
Given the code fragment:
```
public static void main(String[] args) {
    int ii = 0;
    int jj = 7;
    for (ii = 0; ii < jj - 1; ii = ii + 2) {
        System.out.print(ii + " ");
    }
}
```
What is the result?

A. 2 4
B. 0 2 4 6
C. 0 2 4
D. Compilation fails

Answer: C

NEW QUESTION 10
Given these two classes:

```
public class Customer {
    ElectricAccount acct = new ElectricAccount();

    public void useElectricity(double kWh){
        acct.addKWh(kWh);
    }
}

public class ElectricAccount {
    private double kWh;
    private double rate = 0.07;
    private double bill;

    //line n1
}
```

Any amount of electricity used by a customer (represented by an instance of the Customer class) must contribute to the customer's bill (represented by the member variable bill) through the useElectricity method.
An instance of the Customer class should never be able to tamper with or decrease the value of the member variable bill.
How should you write methods in the ElectricAccount class at line n1 so that the member variable bill is always equal to the value of the member variable kwh multiplied by the member variable rate?

A
```
public void addKWh(double kWh) {
    this.kWh += kWh;
    this.bill = this.kWh*this.rate;
}
```

B
```
public void addKWh(double kWh) {
    if (kWh > 0){
        this.kWh += kWh;
        this.bill = this.kWh * this.rate;
    }
}
```

C
```
private void addKWh(double kWh) {
    if (kWh > 0) {
        this.kWh += kWh;
        this.bill = this.kWh*this.rate;
    }
}
```

D
```
public void addKWh(double kWh) {
    if(kWh > 0) {
        this.kWh += kWh;
        setBill(this.kWh);
    }
}
public void setBill(double kWh) {
    bill = kWh*rate;
}
```

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

Answer: A

NEW QUESTION 14
This grid shows the state of a 2D array:

0	0	
	X	0
X		X

The grid is created with this code:

```
char[][] grid = new char[3][3];
grid[1][1] = 'X';
grid[0][0] = 'O';
grid[2][0] = 'X';
grid[0][1] = 'O';
grid[2][2] = 'X';
grid[1][2] = 'O';
//line n1
```

Which line of code, when inserted in place of //line n1, adds an X into the grid so that the grid contains three consecutive Xs?

A. grid[2][1] = 'X';
B. grid[3][2] = 'X';
C. grid[3][1] = 'X';
D. grid[2][3] = 'X';

Answer: D

NEW QUESTION 19
Given:

```
public class Test {
    public static void main(String[] args) {
        boolean a = new Boolean(Boolean.valueOf(args[0]));
        boolean b = new Boolean(args[1]);
        System.out.println(a + " " + b);
    }
}
```

And given the commands:
```
javac Test.java
java Test 1 null
```

What is the result?

A. 1 null
B. true false
C. false false
D. true true
E. A ClassCastException is thrown at runtime.

Answer: D

NEW QUESTION 24
Given:

```
class Product {
    double price;
}

public class Test {
    public void updatePrice(Product product, double price) {
        price = price * 2;
        product.price = product.price + price;
    }
    public static void main(String[] args) {
        Product prt = new Product();
        prt.price = 200;
        double newPrice = 100;

        Test t = new Test();
        t.updatePrice(prt, newPrice);
        System.out.println(prt.price + " : " + newPrice);
    }
}
```

What is the result?

A. 200.0 : 100.0
B. 400.0 : 200.0
C. 400.0 : 100.0
D. Compilation fails.

Answer: C

NEW QUESTION 29
Which three statements are true about exception handling? (Choose three.)

A. Only unchecked exceptions can be rethrown.
B. All subclasses of the RuntimeException class are not recoverable.
C. The parameter in a catch block is of Throwable type.
D. All subclasses of the RuntimeException class must be caught or declared to be thrown.
E. All subclasses of the RuntimeException class are unchecked exceptions.
F. All subclasses of the Error class are not recoverable.

Answer: BCD

NEW QUESTION 32
Given:

```
class A {
    public void test() {
        System.out.println("A ");
    }
}

class B extends A {
    public void test() {
        System.out.println("B ");
    }
}

public class C extends A {
    public void test() {
        System.out.println("C ");
    }

    public static void main(String[] args) {
        A b1 = new A();
        A b2 = new C();
        A b3 = (B) b2;              //line n1
        b1 = (A) b2;               //line n2
        b1.test();
        b3.test();
    }
}
```

What is the result?

A. AB
B. AC
C. CC
D. A ClassCastException is thrown only at line n1.
E. A ClassCastException is thrown only at line n2.

Answer: D

NEW QUESTION 35
Given the code fragment:

```
abstract class Toy {
    int price;
    // line n1
}
```

Which three code fragments are valid at line n1?

A
```
public static void insertToy() {
     /* code goes here */
}
```

B
```
final Toy getToy() {
     return new Toy();
}
```

C
```
public void printToy();
```

D
```
public int calculatePrice() {
     return price;
}
```

E
```
public abstract int computeDiscount();
```

A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: CDE

NEW QUESTION 38
Which statement is true about Java byte code?

A. It can run on any platform.
B. It can run on any platform only if it was compiled for that platform.
C. It can run on any platform that has the Java Runtime Environment.
D. It can run on any platform that has a Java compiler.
E. It can run on any platform only if that platform has both the Java Runtime Environment and a Java compiler.

Answer: D

Explanation:
Java bytecodes help make "write once, run anywhere" possible. You can compile your program into bytecodes on any platform that has a Java compiler. The bytecodes can then be run on any implementation of the Java VM. That means that as long as a computer has a Java VM, the same program written in the Java programming language can run on Windows 2000, a Solaris workstation, or on an iMac.

NEW QUESTION 41
Given the code fragment:
```
abstract class Planet {
    protected void revolve() {             //line n1
    }

    abstract void rotate();                //line n2
}

class Earth extends Planet {
    void revolve() {                       //line n3
    }

    protected void rotate() {              //line n4
    }
}
```
Which two modifications, made independently, enable the code to compile? (Choose two.)

A. Make the method at line n1 public.
B. Make the method at line n2 public.
C. Make the method at line n3 public.

D. Make the method at line n3 protected.
E. Make the method at line n4 public.

Answer: CD

NEW QUESTION 44
Given:

```
public class Triangle {
    static double area;
    int b = 2, h = 3;
    public static void main(String[] args) {
        double p, b, h;          //line n1
        if (area == 0) {
            b = 3;
            h = 4;
            p = 0.5;
            area = p * b * h;     //line n2
        }
        System.out.println("Area is " + area);
    }
}
```

What is the result?

A. Area is 6.0
B. Area is 3.0
C. Compilation fails at line n1
D. Compilation fails at line n2.

Answer: D

NEW QUESTION 49
Given the code fragment:

```
public static void main(String[] args) {
    String myStr = "Hello World ";
    myStr.trim();
    int i1 = myStr.indexOf(" ");
    System.out.println(i1);
}
```

What is the result?

A. An exception is thrown at runtime.
B. -1
C. 5
D. 10

Answer: A

NEW QUESTION 53
Which two code fragments cause a compilation error? (Choose two.)

A. float flt = 100.00F;
B. float flt = (float) 1_11.00;
C. Float flt = 100.00;
D. double y1 = 203.22;float flt = y1;
E. int y2 = 100;float flt = (float) y2 ;

Answer: AD

NEW QUESTION 54
Given:

```
class Caller {
    private void init () {
        System.out.println("Initialized");
    }

    private void start () {
    init();
    System.out.println("Started");
    }
}

public class TestCall {
    public static void main(String[] args) {
        Caller c - new Caller();
        c.start();
        c.init();
    }
}
```

What is the result?

A. An exception is thrown at runtime.
B. InitializedStartedInitialized
C. InitializedStarted
D. Compilation fails.

Answer: D

NEW QUESTION 57
Given the code fragment:

```
LocalDate date1 = LocalDate.now();
LocalDate date2 = LocalDate.of(6, 20, 2014 );
LocalDate date3 = LocalDate.parse("2014-06-20", DateTimeFormatter.ISO_DATE);
System.out.println("date1 = " + date1);
System.out.println("date2 = " + date2);
System.out.println("date3 = " + date3);
```

Assume that the system date is June 20, 2014. What is the result?

A
```
    date1 = 2014-06-20
    date2 = 2014-06-20
    date3 = 2014-06-20
```

B
```
    date1 = 06/20/2014
    date2 = 2014-06-20
    date3 = Jun 20, 2014
```

C Compilation fails.

D An exception is thrown at runtime.

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

Answer: A

NEW QUESTION 59
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