

Exam Questions 1z0-808

Java SE 8 Programmer I

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NEW QUESTION 1

Given the code fragment:

```
public static void main(String[] args) {
    int ans;
    try {
        int num = 10;
        int div = 0;
        ans = num / div;
    } catch (ArithmeticException ae) {
        ans = 0; // line n1
    } catch (Exception e) {
        System.out.println("Invalid calculation");
    }
    System.out.println("Answer = " + ans); // line n2
}
```

What is the result?

- A. Answer = 0
- B. Invalid calculation
- C. Compilation fails only at line n1.
- D. Compilation fails only at line n2.
- E. Compilation fails at line n1 and line2.

Answer: C

Explanation:

```
1
2 public class Test {
3     public static void main(String[] args) {
4         int ans;
5         try {
6             int num = 10;
7             int div = 0;
8             ans = num / div;
9         } catch (ArithmeticException ae) {
10            ans = 0;
11        } catch (Exception e) {
12            System.out.println("Invalid calculation");
13        }
14        System.out.println("Answer = " + ans); //line n2
15    }
16 }
17
```

✖ variable ans might not have been initialized

✖

NEW QUESTION 2

Given the code fragments:

Person.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:

```
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
- ```
checkAge (iList, () -> p. get Age () > 40);
```
- B
- ```
checkAge(iList, Person p -> p.getAge( ) > 40);
```
- C
- ```
checkAge (iList, p -> p.getAge () > 40);
```
- D
- ```
checkAge(iList, (Person p) -> { p.getAge() > 40; });
```

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

Answer: C

NEW QUESTION 3

Given:

```
String stuff = "TV";
String res = null;

if (stuff.equals("TV")) {
    res = "Walter";
} else if (stuff.equals("Movie")) {
    res = "White";
} else {
    res = "No Result";
}
```

Which code fragment can replace the if block?

A

```
stuff.equals ("TV") ? res= "Walter" : stuff.equals ("Movie") ?
res = "White" : res = "No Result";
```

B

```
res = stuff.equals ("TV") ? "Walter" else stuff.equals
("Movie")? "White" : "No Result";
```

C

```
res = stuff.equals ("TV") ? stuff.equals ("Movie")? "Walter" :
"White" : "No Result";
```

D

```
res = stuff.equals ("TV")? "Walter" : stuff.equals ("Movie")?
"White" : "No Result";
```

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

Answer: D

NEW QUESTION 4

Which two are benefits of polymorphism? (Choose two.)

- A. Faster code at runtime
- B. More efficient code at runtime
- C. More dynamic code at runtime
- D. More flexible and reusable code
- E. Code that is protected from extension by other classes

Answer: BD

NEW QUESTION 5

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 6

Given the code fragment:

```
public class Employee {
    String name;
    boolean contract;
    double salary;
    Employee() {
        // line n1
    }
    public String toString(){
        return name + ":" + contract + ":" + salary;
    }
    public static void main(String[] args) {
        Employee e = new Employee();
        // line n2
        System.out.print(e);
    }
}
```

Which two modifications, when made independently, enable the code to print Joe:true: 100.0? (Choose two.)

- ☐ A) Replace line n2 with:
 e.name = "Joe";
 e.contract = true;
 e.salary = 100;
- ☐ B) Replace line n2 with:
 this.name = "Joe";
 this.contract = true;
 this.salary = 100;
- ☐ C) Replace line n1 with:
 this.name = new String("Joe");
 this.contract = new Boolean(true);
 this.salary = new Double(100);
- ☐ D) Replace line n1 with:
 name = "Joe";
 contract = TRUE;
 salary = 100.0f;
- ☐ E) Replace line n1 with:
 this("Joe", true, 100);

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

Answer: AC

NEW QUESTION 7

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 8

Given:

```
class X {
    static int i;
    int j;
    public static void main(String[] args) {
        X x1 = new X();
        X x2 = new X();
        x1.i = 3;
        x1.j = 4;
        x2.i = 5;
        x2.j = 6;
        System.out.println(
            x1.i + " " +
            x1.j + " " +
            x2.i + " " +
            x2.j);
    }
}
```

What is the result?

- A. 3 4 5 6
- B. 3 4 3 6
- C. 5 4 5 6
- D. 3 6 4 6

Answer: C

NEW QUESTION 9

Which is true about the switch statement?

- A. Its expression can evaluate to a collection of values.
- B. The break statement, at the end of each case block, is optional.
- C. Its case label literals can be changed at runtime.
- D. It must contain the default section.

Answer: B

NEW QUESTION 10

Given:

```
class X {
    int i;
    static int j;
    public static void main(String[] args) {
        X x1 = new X();
        X x2 = new X();
        x1.i = 3;
        x1.j = 4;
        x2.i = 5;
        x2.j = 6;
        System.out.println(
            x1.i + " " +
            x1.j + " " +
            x2.i + " " +
            x2.j);
    }
}
```

What is the result?

- A. 3 4 5 6
- B. 3 4 3 6
- C. 5 4 5 6
- D. 3 6 5 6

Answer: D

Explanation:

```
3 6 5 6  
Completed with exit code: 0
```

NEW QUESTION 10

Given:

```
class Student {  
    String name;  
    public Student(String name) {  
        this.name = name;  
    }  
}  
  
public class Test {  
    public static void main(String[] args) {  
        Student[] students = new Student[3];  
        students[1] = new Student("Richard");  
        students[2] = new Student("Donald");  
        for (Student s : students) {  
            System.out.println("" + s.name);  
        }  
    }  
}
```

What is the result?

- A. nullRichardDonald
- B. RichardDonald
- C. Compilation fails.
- D. An `ArrayIndexOutOfBoundsException` is thrown at runtime.
- E. A `NullPointerException` is thrown at runtime.

Answer: E**NEW QUESTION 14**

Which three are advantages of the Java exception mechanism? (Choose three.)

- A. Improves the program structure because the error handling code is separated from the normal program function
- B. Provides a set of standard exceptions that covers all possible errors
- C. Improves the program structure because the programmer can choose where to handle exceptions
- D. Improves the program structure because exceptions must be handled in the method in which they occurred
- E. Allows the creation of new exceptions that are customized to the particular program being created

Answer: ACE**NEW QUESTION 15**

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 20

Which statement best describes encapsulation?

- A. Encapsulation ensures that classes can be designed so that only certain fields and methods of an object are accessible from other objects.
- B. Encapsulation ensures that classes can be designed so that their methods are inheritable.
- C. Encapsulation ensures that classes can be designed with some fields and methods declared as abstract.
- D. Encapsulation ensures that classes can be designed so that if a method has an argument MyType x, any subclass of MyType can be passed to that method.

Answer: A

NEW QUESTION 21

Which three statements describe the object-oriented features of the Java language? (Choose three.)

- A. Objects cannot be reused.
- B. A subclass must override the methods from a superclass.
- C. Objects can share behaviors with other objects.
- D. A package must contain a main class.
- E. Object is the root class of all other objects.
- F. A main method must be declared in every class.

Answer: BCF

NEW QUESTION 22

Given the code fragment:

```
int nums1[] = {1, 2, 3};
int nums2[] = {1, 2, 3, 4, 5};
nums 2 = nums 1;
for (int x : nums2){
    System.out.print(x + ":");
}
```

What is the result?

- A. 1:2:3:4:5:
- B. 1:2:3:
- C. Compilation fails.
- D. An ArrayOutOfBoundsException is thrown at runtime.

Answer: A

NEW QUESTION 26

Which three statements are true about the structure of a Java class? (Choose three.)

- A. A public class must have a main method.
- B. A class can have only one private constructors.
- C. A method can have the same name as a field.
- D. A class can have overloaded static methods.
- E. The methods are mandatory components of a class.
- F. The fields need not be initialized before use.

Answer: ACE

NEW QUESTION 31

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