

# Exam Questions 1z0-808

Java SE 8 Programmer I

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**NEW QUESTION 1**

Which one of the following code examples uses valid Java syntax?

- A.
- ```
public class Boat {  
  
    public static void main (String [] args) {  
        System.out.println ("I float.");  
    }  
}
```
- B.
- ```
public class Cake {  
    public static void main (String [] ) {  
        System.out.println ("Chocolate");  
    }  
}
```
- C.
- ```
public class Dog {  
    public void main (String [] args) {  
        System.out.println ("Squirrel.");  
    }  
}
```
- D.
- ```
public class Bank {  
    public static void main (String () args) {  
        System.out.println ("Earn interest.");  
    }  
}
```

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

**Answer:** A

**NEW QUESTION 2**

You are asked to create a method that accepts an array of integers and returns the highest value from that array. Given the code fragment:

```
class Test{  
    public static void main(String[] args) {  
        int numbers[] = {12, 13, 42, 32, 15, 156, 23, 51, 12};  
        int[] keys = findMax(numbers);  
    }  
  
    /* line n1 */ {  
        int[] keys = new int[3];  
        /* code goes here*/  
        return keys;  
    }  
}
```

Which method signature do you use at line n1?

- A. public int findMax (int[] numbers)  
B. static int[] findMax (int[] max)  
C. static int findMax (int[] numbers)  
D. final int findMax (int[] )

Answer: C

### NEW QUESTION 3

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 4

You are asked to develop a program for a shopping application, and you are given this information:

- > The application must contain the classes Toy, EduToy, and ConsToy. The Toy class is the superclass of the other two classes.
- > The int calculatePrice (Toy t) method calculates the price of a toy.
- > The void printToy (Toy t) method prints the details of a toy.

Which definition of the Toy class adds a valid layer of abstraction to the class hierarchy?

- A
- ```
public abstract class Toy{
    public abstract int calculatePrice(Toy t);
    public void printToy(Toy t) { /* code goes here */ }
}
```
- B
- ```
public abstract class Toy {
    public int calculatePrice(Toy t) ;
    public void printToy(Toy t) ;
}
```
- C
- ```
public abstract class Toy {
    public int calculatePrice(Toy t);
    public final void printToy(Toy t){ /* code goes here */ }
}
```
- D
- ```
public abstract class Toy {
    public abstract int calculatePrice(Toy t) { /* code goes here */ }
    public abstract void printToy(Toy t) { /* code goes here */ }
}
```

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

Answer: A

#### NEW QUESTION 5

Given the definitions of the MyString class and the Test class:

```
package p1;
class MyString {
    String msg;
    MyString(String msg) {
        this.msg = msg;
    }
}
```

Test.java:

```
package p1;
public class Test {
    public static void main(String[] args) {
        System.out.println("Hello " + new StringBuilder("Java SE 8"));
        System.out.println("Hello " + new MyString("Java SE 8").msg);
    }
}
```

What is the result?

- A
- ```
Hello Java SE 8
Hello Java SE 8
```
- B
- ```
Hello java.lang.StringBuilder@<<hashCode1>>
Hello p1.MyString@<<hashCode2>>
```
- C
- ```
Hello Java SE 8
Hello p1.MyString@<<hashCode>>
```
- D Compilation fails at the Test class

- A. Option A

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

Answer: D

#### NEW QUESTION 6

Given this code for a Planet object:

```
public class Planet {
    public String name;
    public int moons;

    public Planet(String name, int moons) {
        this.name = name;
        this.moons = moons;
    }
}
```

And this method:

```
public static void main(String[] args){
    Planet[] planets = {
        new Planet("Mercury", 0),
        new Planet("Venus", 0),
        new Planet("Earth", 1),
        new Planet("Mars", 2)
    };

    System.out.println(planets);
    System.out.println(planets[2].name);
    System.out.println(planets[2].moons);
}
```

What is the output?

- A  
planets  
Earth  
1
- B  
[LPlanets.Planet;@15db9742  
Earth  
1
- C  
[LPlanets.Planet;@15db9742  
Planets.Planet@6d06d69c  
1
- D  
[LPlanets.Planet;@15db9742  
Planets.Planet@6d06d69c  
[LPlanets.Moon;@7852e922
- E  
[LPlanets.Planet;@15db9742  
Venus  
0

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

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**

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 9**

Which statement is true about the switch statement?

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

**Answer: D****NEW QUESTION 10**

Given the code from the Greeting.java file:

```
public class Greeting {
    public static void main(String[] args) {
        System.out.println("Hello " + args[0]);
    }
}
```

Which set of commands prints Hello Duke in the console?

- A) javac Greeting  
java Greeting Duke
- B) javac Greeting.java Duke  
java Greeting
- C) javac Greeting.java  
java Greeting Duke
- D) javac Greeting.java  
java Greeting.class Duke

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

**Answer: C**

**NEW QUESTION 10**

Which two statements are true about Java byte code? (Choose two.)

- A. It can be serialized across network.
- B. It can run on any platform that has a Java compiler.
- C. It can run on any platform.
- D. It has ".java" extension.
- E. It can run on any platform that has the Java Runtime Environment.

**Answer:** AE

**NEW QUESTION 13**

Given:

```
public class Fieldinit {
    char c;
    boolean b;
    float f;
    void printAll() {
        System.out.println ("c = " + c);
        System.out.println ("b = " + b);
        System.out.println ("f = " + f);
    }
    public static void main (String [] args) {
        FieldInit f = new FieldInit ();
        f.printAll ();
    }
}
```

What is the result?

**A**  
c=  
b = false  
f = 0.0

**B**  
c= null  
b = true  
f = 0.0

**C**  
c=0  
b = false  
f = 0.0f

**D**  
c= null  
b = false  
f = 0.0F

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

**Answer:** A

**NEW QUESTION 16**

Given:

```
class Patient {
    String name;
    public Patient (String name) {
        this.name = name;
    }
}
```

And the code fragment:

```
8. public class Test {
9.     public static void main (String [] args) {
10.        List ps = new ArrayList ();
11.        Patient p2 = new Patient ("Mike");
12.        ps.add(p2);
13.
14.        // insert code here
15.
16.        if (f >= 0) {
17.            System.out.print ("Mike Found");
18.        }
19.    }
20. }
```

Which code fragment, when inserted at line 14, enables the code to print Mike Found?

A

```
int f = ps.indexOf (p2);
```

B

```
int f = ps.indexOf (Patient ("Mike") );
```

C

```
int f = ps.indexOf (new Patient "Mike") );
```

D

```
Patient p = new Patient ("Mike");
int f = ps.indexOf(p)
```

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

**Answer: A**

#### NEW QUESTION 20

Given:

```
public class MyClass {
    public static void main(String[] args) {
        String s = "Java SE 8 1";
        int len = s.trim().length();
        System.out.print(len);
    }
}
```

What is the result?

- A. Compilation fails.
- B. 11
- C. 8
- D. 9
- E. 10

Answer: B

#### 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 25

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 27

Given the code fragment:

```
public static void main(String[] args) {
    LocalDate date = LocalDate.of(2012, 01, 32);
    date.plusDays(10);
    System.out.println(date);
}
```

What is the result?

- A. 2012-02-10

- B. 2012-02-11
- C. Compilation fails
- D. A DateTimeException is thrown at runtime.

**Answer:** D

#### NEW QUESTION 29

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 31

Given this class:

```
public class CheckingAccount {  
    public int amount;  
    //line n1  
}
```

And given this main method, located in another class:

```
public static void main(String[] args) {  
    CheckingAccount acct = new CheckingAccount();  
    //line n2  
}
```

Which three pieces of code, when inserted independently, set the value of amount to 100?

A

At line n1 insert:

```
public CheckingAccount() {  
    amount = 100;  
}
```

B

At line n2 insert:

```
this.amount = 100;
```

C

At line n2 insert:

```
amount = 100;
```

D

At line n1 insert:

```
public CheckingAccount() {  
    this.amount = 100;  
}
```

E

At line n2 insert:

```
acct.amount = 100;
```

F

At line n1 insert:

```
public CheckingAccount() {  
    acct.amount = 100;  
}
```

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

**Answer: DE****NEW QUESTION 32**

Given the code fragment:

```
7.  StringBuilder sb1 = new StringBuilder("Duke");  
8.  String str1 = sb1.toString();  
9.  // insert code here  
10. System.out.print(str1 == str2);
```

Which code fragment, when inserted at line 9, enables the code to print true?

- A. String str2 = str1;
- B. String str2 = new String(str1);
- C. String str2 = sb1.toString();
- D. String str2 = "Duke";

**Answer: A****NEW QUESTION 33**

Given the code fragment:

```
public static void main(String[] args) {  
    LocalDate date = LocalDate.of(2012, 1, 30);  
    date.plusDays(10);  
    System.out.println(date);  
}
```

What is the result?

- A. 2012-02-10
- B. 2012-01-30
- C. 2012-02-10 00:00
- D. A DateTimeException is thrown at runtime.

Answer: C

#### NEW QUESTION 38

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 42

What is the name of the Java concept that uses access modifiers to protect variables and hide them within a class?

- A. Encapsulation
- B. Inheritance
- C. Abstraction
- D. Instantiation
- E. Polymorphism

Answer: A

#### Explanation:

Using the private modifier is the main way that an object encapsulates itself and hide data from the outside world.

#### NEW QUESTION 47

Given the code fragment:

```
int wd = 0;
String days[] = {"sun", "mon", "wed", "sat"};
for (String s:days) {
    switch (s) {
        case "sat":
        case "sun":
            wd -= 1;
            break;
        case "mon":
            wd++;
        case "wed":
            wd += 2;
    }
}
System.out.println(wd);
```

What is the result?

- A. 3
- B. 4
- C. -1
- D. Compilation fails.

Answer: A

#### NEW QUESTION 51

Given:

```
public class Test {
    int x, y;

    public Test(int x, int y) {
        initialize(x, y);
    }

    public void initialize(int x, int y) {
        this.x = x * x;
        this.y = y * y;
    }

    public static void main(String[] args) {
        int x = 3, y = 5;
        Test obj = new Test(x, y);
        System.out.println(x + " " + y);
    }
}
```

What is the result?

- A. Compilation fails.
- B. 3 5
- C. 0 0
- D. 9 25

**Answer:** B

#### NEW QUESTION 55

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 58

Given this class:

```
public class Rectangle {
    private double length;
    private double height;
    private double area;

    public void setLength(double length) {
        this.length = length;
    }
    public void setHeight(double height) {
        this.height = height;
    }
    public void setArea() {
        area = length*height;
    }
}
```

Which two changes would encapsulate this class and ensure that the area field is always equal to length \* height whenever the Rectangle class is used?

- A. Call the setArea method at the end of the setHeight method.
- B. Call the setArea method at the beginning of the setHeight method.
- C. Call the setArea method at the end of the setLength method.
- D. Call the setArea method at the beginning of the setLength method.
- E. Change the setArea method to private.
- F. Change the area field to public.

**Answer:** AE

#### NEW QUESTION 61

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 63

Given this segment of code:

```
ArrayList<Cycle> myList = new ArrayList<>();
myList.add(new Motorcycle());
```

Which two statements, if either were true, would make the code compile? (Choose two.)

- A. Motorcycle is an interface that implements the Cycle class.
- B. Cycle is an interface that is implemented by the Motorcycle class.
- C. Cycle is an abstract superclass of Motorcycle.
- D. Cycle and Motorcycle both extend the Transportation superclass.
- E. Cycle and Motorcycle both implement the Transportation interface.
- F. Motorcycle is a superclass of Cycle.

**Answer:** BC

#### NEW QUESTION 64

Which two statements are true? (Choose two.)

- A. Error class is unextendable.
- B. Error class is extendable.
- C. Error is a RuntimeException.
- D. Error is an Exception.
- E. Error is a Throwable.

**Answer:** BC

#### NEW QUESTION 69

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 74

Which statement will empty the contents of a StringBuilder variable named sb?

- A. s
- B. deleteAll ();
- C. s
- D. delete (0, s

- E. size ( );
- F. s
- G. delete (0, s
- H. length ( );
- I. s
- J. removeAll ( );

**Answer:** C

#### NEW QUESTION 75

Given the code fragment:

```
String[] strs = {"A", "B"};
int idx = 0;
for (String s : strs) {
    strs[idx].concat(" element " + idx);
    idx++;
}
for (idx = 0; idx < strs.length; idx++) {
    System.out.println(strs[idx]);
}
```

What is the result?

- A. AB
- B. A element 0B element 1
- C. A NullPointerException is thrown at runtime.
- D. A 0B 1

**Answer:** C

#### NEW QUESTION 76

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 78

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

- A. A class cannot have the same name as its field.
- B. A public class must have a main method.
- C. A class can have final static methods.
- D. A class can have overloaded private constructors.
- E. Fields need to be initialized before use.
- F. Methods and fields are optional components of a class.

**Answer:** BDE

#### NEW QUESTION 82

Given:

```
public class App {
    public static void main(String[] args) {
        int i = 10;
        int j = 20;
        int k = (j += i) / 5;
        System.out.print(i + " : " + j + " : " + k);
    }
}
```

What is the result?

- A. 10 : 30 : 6
- B. 10 : 22 : 22
- C. 10 : 22 : 20
- D. 10 : 22 : 6

**Answer:** A

#### NEW QUESTION 84

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