

1Z0-808^{Q&As}

Java SE 8 Programmer I

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QUESTION 1

Given:

```
public static void main(String[] args) {
    String names[] = {"Thomas", "Peter", "Joseph"};
    String pwd[] = new String[3];
    int idx = 0;
    try {
        for (String n : names) {
            pwd[idx] = n.substring(2, 6);
            System.out.println(pwd[idx]);
            idx++;
        }
    } catch (Exception e) {
        System.out.println("Invalid Name");
    }
}
```

What is the result?

- A. Welcome Visit Count:0 Welcome Visit Count: 1
- B. Compilation fails at line n2.
- C. Compilation fails at line n1.
- D. Welcome Visit Count:0 Welcome Visit Count: 0

Correct Answer: C

Result

CPU Time: 0.15 sec(s), Memory: 29904 kilobyte(s)



QUESTION 2

Given the code fragment: What is the result?

- A) Replace the code fragment at line n1 with:
class Book implements Readable {
- B) At line n2 insert:
public abstract void setBookMark();
- C) Replace the code fragment at line n3 with:
abstract class EBook extends Book {
- D) At line n4 insert:
public void setBookMark() { }

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

Correct Answer: D

QUESTION 3

Given:

```
public class Test3 {
    public static void main(String[] args) {
        String names[] = new String[3];
        names[0] = "Mary Brown";
        names[1] = "Nancy Red";
        names[2] = "Jessy Orange";
        try {
            for(String n: names) {
                try {
                    String pwd = n.substring(0, 3)+n.substring(6,10);
                    System.out.println(pwd);
                }
                catch (StringIndexOutOfBoundsException sie) {
                    System.out.println("string out of limits");
                }
            }
        }
        catch (ArrayIndexOutOfBoundsException e) {
            System.out.println("array out of limits");
        }
    }
}
```

What is the result?

- A. Marrown String out of limits JesOran
- B. Marrown String out of limits Array out of limits

C. Marrown String out of limits

D. Marrown NanRed JesOran

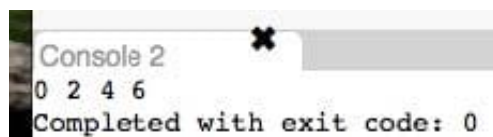
Correct Answer: A

QUESTION 4

Given:

```
public static void main(String[] args) {  
    int ii = 0;  
    int jj = 7;  
    for (ii = 0; ii < jj; ii = ii + 2) {  
        System.out.print(ii + " ");  
    }  
}
```

What is the result?



A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

```
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);
    }
}
```

QUESTION 5

Given:

Class A { }

Class B { }

Interface X { }

Interface Y { }

Which two definitions of class C are valid?

- A. Class C extends A implements X { }
- B. Class C implements Y extends B { }
- C. Class C extends A, B { }
- D. Class C implements X, Y extends B { }
- E. Class C extends B implements X, Y { }

Correct Answer: AE

Explanation: extends is for extending a class.

implements is for implementing an interface. Java allows for a class to implement many interfaces.

QUESTION 6

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.

Correct Answer: AE

QUESTION 7

Given the following classes:

```
public class Employee {
    public int salary;
}

public class Manager extends Employee {
    public int budget;
}

public class Director extends Manager {
    public int stockOptions;
}
```

And given the following main method:

```
public static void main(String[] args) {
    Employee employee = new Employee();
    Manager manager = new Manager();
    Director director = new Director();
    //line n1
}
```

Which two options fail to compile when placed at line n1 of the main method?

- A. `employee.salary = 50_000;`
- B. `director.salary = 80_000;`
- C. `employee.budget = 200_000;`
- D. `manager.budget = 1_000_000;`
- E. `manager.stockOption = 500;`

F. director.stockOptions = 1_000;

Correct Answer: CE

QUESTION 8

The following grid shows the state of a 2D array:

```
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);
    }
}
```

This grid is created with the following code:

```
public class MyFile
{
    public static void main (String[] args)
    {
        String arg1 = args[1];
        String arg2 = args[2];
        String arg3 = args[3];
        System.out.println("Arg is " + arg3);
    }
}
```

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

- A. grid[1][3] = `X`;
- B. grid[3][1] = `X`;
- C. grid[0][2] = `X`;
- D. grid[2][1] = `X`;
- E. grid[1][2] = `X`;

Correct Answer: D

QUESTION 9

Given the code fragment:

```
1. public class Test {
2.     public static void main(String[] args) {
3.         /* insert code here */
4.         array[0]=10;
5.         array[1]=20;
6.         System.out.print(array[0]+": "+array[1]);
7.     }
8. }
```

Which code fragment, when inserted at line 3, enables the code to print 10:20?

- A. `int[] array n= new int[2];`
- B. `int[] array; array = int[2];`
- C. `int array = new int[2];`
- D. `int array [2] ;`

Correct Answer: A

QUESTION 10

```
Class StaticField {
static int i = 7;
public static void main(String[] args) {
StaticFied obj = new StaticField();
obj.i++;
StaticField.i++;
obj.i++;
System.out.println(StaticField.i + " "+ obj.i);
}
}
```

What is the result?

- A. 10 10
- B. 8 9
- C. 9 8
- D. 7 10

Correct Answer: A

QUESTION 11

Given:

```
public class Calculator {
    public static void main(String[] args) {
        int num = 5;
        int sum;

        do {
            sum += num;
        } while ((num--) > 1);

        System.out.println("The sum is " + sum + ".");
    }
}
```

How many MarkList instances are created in memory at runtime?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: A

QUESTION 12

Given:

MainTest.java:

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

and commands:

```
javac MainTest.java  
java MainTest 1 2 3
```

How many objects have been created when the line // do complex stuff is reached?

- A. Two
- B. Three
- C. Four
- D. Six

Correct Answer: C

QUESTION 13

Given these classes:

```
public class MyException extends RuntimeException {}

public class Test {
    public static void main(String[] args) {
        try {
            method1();
        }
        catch (MyException ne) {
            System.out.print("A");
        }
    }
    public static void method1() { // line n1
        try {
            throw 3 > 10 ? new MyException() : new IOException();
        }
        catch(IOException ie) {
            System.out.println("I");
        }
        catch (Exception re) {
            System.out.print("B");
        }
    }
}
```

And given this main method:

```
1
2 public class Test {
3     public static void main(String[] args){
4         try {
5             method1();
6         }
7         catch (MyException ne) {
8             System.out.print("A");
9         }
10        public static void method1() {
11            try {
12                throw 3 > 10 ? new MyException() : new IOException
13            }
14            catch(IOException ie) {
15                System.out.println("I");
16            }
17            catch (Exception re) {
18                System.out.print("E");
19            }
20        }
21    }
```

Which two options compile when placed at line n1 of the main method? (Choose two.)

- A. director.stockOptions = 1_000;

- B. `employee.salary = 50_000;`
- C. `manager.budget = 1_000_000;`
- D. `manager.stockOption = 500;`
- E. `employee.budget = 200_000;`
- F. `director.salary = 80_000;`

Correct Answer: BF

QUESTION 14

Which two are benefits of polymorphism?

- 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

Correct Answer: BD

QUESTION 15

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 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 `Exception` class except the `RuntimeException` class are checked exceptions.
- F. All subclasses of the `Error` class are checked exceptions and are recoverable.

Correct Answer: CEF
