



Exam Code: 310-055

Exam Name: Sun Certified Programmer for the Java 2
Platform.SE 5.0

Vendor: Sun

Version: DEMO

Part: A

1: Click the Task button.

Chain these constructors to create objects to read from a file named "in" and to write to a file named "out."

```
reader = [Place here] [Place here] "in" );  
writer = [Place here] [Place here] [Place here] "out" );
```

Constructors

| | | |
|----------------------|-------------------|----------------------|
| new FileReader() | new PrintReader() | new BufferedReader() |
| new BufferedWriter() | new FileWriter() | new PrintWriter() |

Correct Answers:

Chain these constructors to create objects to read from a file named "in" and to write to a file named "out."

```
reader = [new BufferedReader()] [new FileReader()] "in" );  
writer = [new PrintWriter()] [new BufferedWriter()] [new FileWriter()] "out" );
```

Constructors

| | | |
|----------------------|-------------------|----------------------|
| new FileReader() | new PrintReader() | new BufferedReader() |
| new BufferedWriter() | new FileWriter() | new PrintWriter() |

2: Given:

```
11. class Converter {  
12.     public static void main(String[] args) {  
13.         Integer i = args[0];  
14.         int j = 12;  
15.         System.out.println("It is " + (j==i) + " that j==i.");  
16.     }  
17. }
```

What is the result when the programmer attempts to compile the code and run it with the command `java Converter 12`?

- A.It is true that `j==i`.
- B.It is false that `j==i`.
- C.An exception is thrown at runtime.
- D.Compilation fails because of an error in line 13.

Correct Answers: D

3: Given:

```
22. StringBuilder sb1 = new StringBuilder("123");  
23. String s1 = "123";  
24. // insert code here  
25. System.out.println(sb1 + " " + s1);
```

Which code fragment, inserted at line 24, outputs "123abc 123abc"?

- A.s1.append("abc"); s1.append("abc");
- B.s1.append("abc"); s1.concat("abc");
- C.s1.concat("abc"); s1.append("abc");
- D.s1.concat("abc"); s1.concat("abc");
- E.s1.append("abc"); s1 = s1.concat("abc");
- F.s1.concat("abc"); s1 = s1.concat("abc");
- G.s1.append("abc"); s1 = s1 + s1.concat("abc");
- H.s1.concat("abc"); s1 = s1 + s1.concat("abc");

Correct Answers: E

4: Given:

1. d is a valid, non-null Date object
2. df is a valid, non-null DateFormat object set to the current locale

What outputs the current locale's country name and the appropriate version of d's date?

- A.Locale loc = Locale.getLocale();
System.out.println(loc.getDisplayCountry()
+ " " + df.format(d));
- B.Locale loc = Locale.getDefault();
System.out.println(loc.getDisplayCountry()
+ " " + df.format(d));
- C.Locale loc = Locale.getLocale();
System.out.println(loc.getDisplayCountry()
+ " " + df.setDateFormat(d));
- D.Locale loc = Locale.getDefault();
System.out.println(loc.getDisplayCountry()
+ " " + df.setDateFormat(d));

Correct Answers: B

5: Click the Task button.

Place the code fragments into position to produce the output:

```
true true false
```

Code

```
Scanner scanner = new Scanner( "One,5,true,3,true,6,7,false");
scanner.useDelimiter(",");

while (  ) {
    if (  ) {
        System.out.print(  + " ");
    } else  ;
}
```

Code Fragments

Correct Answers:

Place the code fragments into position to produce the output:

true true false

Code

```
Scanner scanner = new Scanner( "One,5,true,3,true,6,7,false");
scanner.useDelimiter(",");

while (  ) {
    if (  ) {
        System.out.print(  + " ");
    } else  ;
}
```

Code Fragments

Done

6: Given:

- 11. String test = "This is a test";
 - 12. String[] tokens = test.split("\\s");
 - 13. System.out.println(tokens.length);
- What is the result?

- A.0
- B.1
- C.4
- D.Compilation fails.
- E.An exception is thrown at runtime.

Correct Answers: D

7: Given:

- 1. package geometry;
- 2. public class Hypotenuse {
- 3. public InnerTriangle it = new InnerTriangle();
- 4. class InnerTriangle {
- 5. public int base;
- 6. public int height;
- 7. }
- 8. }

Which statement is true about the class of an object that can reference the variable base?

- A.It can be any class.
- B.No class has access to base.
- C.The class must belong to the geometry package.
- D.The class must be a subclass of the class Hypotenuse.

Correct Answers: C

8: Given:

1. class Super {
2. private int a;
3. protected Super(int a) { this.a = a; }
4. } ...
11. class Sub extends Super {
12. public Sub(int a) { super(a); }
13. public Sub() { this.a = 5; }
14. }

Which two, independently, will allow Sub to compile? (Choose two.)

A.Change line 2 to:

public int a;

B.Change line 2 to:

protected int a;

C.Change line 13 to:

public Sub() { this(5); }

D.Change line 13 to:

public Sub() { super(5); }

E.Change line 13 to:

public Sub() { super(a); }

Correct Answers: C D

9: Click the Task button.

Given:

```
class A {
    String name = "A";
    String getName() {
        return name;
    }
    String greeting(){
        return "class A";
    }
}
class B extends A {
    String name = "B";
    String greeting() {
        return "class B";
    }
}
public class Client {
    public static void main( String[] args ) {
        A a = new A();
        B b = new B();
        System.out.println(a.greeting() + " has name " + a.getName());
        System.out.println(b.greeting() + " has name " + b.getName());
    }
}
```

Place the names "A" and "B" in the following output.

class has name

class has name

Names

Correct Answers:

Given:

```
class A {
    String name = "A";
    String getName() {
        return name;
    }
    String greeting(){
        return "class A";
    }
}
class B extends A {
    String name = "B";
    String greeting() {
        return "class B";
    }
}
public class Client {
    public static void main( String[] args ) {
        A a = new A();
        B b = new B();
        System.out.println(a.greeting() + " has name " + a.getName());
        System.out.println(b.greeting() + " has name " + b.getName());
    }
}
```

Place the names "A" and "B" in the following output.

```
class  has name 
class  has name 
```

Names

| | |
|-------------------------------------|--------------------------------|
| <input type="text" value="A"/> | <input type="text" value="B"/> |
| <input type="button" value="Done"/> | |

10: Given:

```
1. public class Base {
2.     public static final String FOO = "foo";
3.     public static void main(String[] args) {
4.         Base b = new Base();
5.         Sub s = new Sub();
6.         System.out.print(Base.FOO);
7.         System.out.print(Sub.FOO);
8.         System.out.print(b.FOO);
9.         System.out.print(s.FOO);
10.        System.out.print(((Base)s).FOO);
11.    } }
12. class Sub extends Base {public static final String FOO="bar";}
```

What is the result?

- A.foofoofoofoofoo
- B.foobarfoobarbar
- C.foobarfoofoofoo
- D.foobarfoobarfoo
- E.barbarbarbarbar
- F.foofoofoobarbar
- G.foofoofoobarfoo

Correct Answers: D