

**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.sb1.append("abc"); s1.append("abc");  
 B.sb1.append("abc"); s1.concat("abc");  
 C.sb1.concat("abc"); s1.append("abc");  
 D.sb1.concat("abc"); s1.concat("abc");  
 E.sb1.append("abc"); s1 = s1.concat("abc");  
 F.sb1.concat("abc"); s1 = s1.concat("abc");  
 G.sb1.append("abc"); s1 = s1 + s1.concat("abc");  
 H.sb1.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**

scanner.hasNextBoolean()

scanner.nextBoolean()

scanner.next()

scanner.hasNext()

Done

**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();  
        A 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**