

✓ **Congratulations! You passed!**
TO PASS 75% or higher

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GRADE
75%

Java Proficiency Quiz 3

TOTAL POINTS 4

1. What would be the output of this code?:

0 / 1 point

```
1 int age;  
2 age = age + 7;  
3 System.out.println( "My age is: " + age );
```

- ☐ This will not compile because you cannot add a string and integer value together.
- ☐ My age is : null
- ☒ My age is: 7
- ☐ This will not compile because age is not initialized with a value.

! **Incorrect**

Incorrect. The age variable is not initialized to 0. In java, variables must be initialized with a value before being used.

2. How many times will "Hello" be printed out?:

1 / 1 point

```
1 int i = 1;  
2 while (i <= 3) {  
3     System.out.println( "Hello" );  
4     if ( i < 2 ) {  
5         System.out.println( "Hello" );  
6     }  
7     i++;  
8 }  
9 -----  
10
```

- ☒ 4
- ☐ 2
- ☐ 0
- ☐ 5

✓ **Correct**
Correct!

3. Look at the following code:

1 / 1 point

```
1 class Person {  
2     public void talk() {  
3         System.out.println( "Hello" );  
4     }  
5 }  
6  
7 class Baby extends Person {  
8     public void talk() {  
9         System.out.println( "Goo goo" );  
10    }  
11 }  
12  
13 class Boy extends Person {  
14     public void hi() {  
15         System.out.println( "hi" );  
16     }  
17 }  
18  
19 public class Test {  
20     public static void main( String args[] ) {  
21         Person p1 = new Person();  
22         p1.talk();  
23  
24         Baby b1 = new Baby();  
25         b1.talk();  
26  
27         Boy b2 = new Boy();  
28         b2.talk();  
29         b2.hi();  
30     }  
31 }
```

What would be the output of running the code above?

- ☐ Error, because the Boy class does not have the method talk.
- ☐ Hello
- Goo goo
- hi
- hi
- ☒ Hello
- Goo goo
- Hello
- hi
- ☐ There will be no output since these are just class definitions.

✓ **Correct**
Correct!

4. Look at the following lines of code:

1 / 1 point

```
1 interface MyInterface {  
2     public void method1();  
3     public void method2();  
4 }  
5  
6 class MyClass implements MyInterface {  
7     public void method1() {  
8         System.out.println( "method 1" );  
9     }  
10 }  
11  
12 public class Test {  
13     public static void main( String args[] ) {  
14         MyClass c1 = new MyClass();  
15         c1.method1();  
16         c1.method2();  
17     }  
18 }
```

What would be the output of running the code above?

- ☐ There will be no output since these are just classes definitions.
- ☐ method 1
- method 2
- ☒ Error because there is no method2 defined in MyClass. Because this class implements MyInterface, it must define all methods that are in the interface.
- ☐ method 1
- method 1

✓ Correct
Correct!