

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

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

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

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

```
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

☐ 5

☐ 0

3. Look at the following code:

```
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?

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

4. Look at the following lines of code:

```
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?

- ☐ 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
- ☐ There will be no output since these are just classes definitions.