

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.