

BBM 102 – Introduction to Programming  
QUIZ 2 – 23.03.2016

1. What will be the output of the program?

<pre>public class Apple extends Fruit {      public void taste(){         System.out.println("Apples are tasty!");     }      public void pickApples(){         System.out.println("collected!!");     } }</pre>	<pre>public class Berry extends Fruit {      public void taste(){         System.out.println("Berries are tasty!");     } }</pre>
<pre>public class Fruit {      public void taste(){         System.out.println("Fruits are tasty!");     } }</pre>	<pre>public class Pear extends Apple {      public void taste(){         System.out.println("Pears are tasty!");     } }</pre>

According to the above class definitions, write the output of each line if it does not give any errors. If the line causes any compile or runtime errors, please specify the error.

```
Fruit fruit = new Fruit();  
Fruit fruit1 = new Berry();  
fruit1.taste();  
Fruit fruit2 = new Apple();  
fruit2.taste();  
fruit2.pickApples();  
Berry berry = (Berry)fruit1;  
Apple apple = (Apple)fruit1;  
Apple others = (Apple)fruit;  
Fruit fruit3 = new Pear();  
Fruit f = (Apple)((Pear)fruit3);  
Apple f2 = (Fruit)((Pear)fruit3);
```