CSE11 – Spring 2013
Quiz #2

Name: _____

Student ID: _____

1) Write a public method called `sumItUp` that takes an integer called `target` as an argument. sumItUp should print out the sum of the integers from 1 to target. Target will be >= 1.

2) What will the following code segment print out? Why?

```java
import java.awt.*;
import objectdraw.*;
public class Testing
{
    public static void main(String[] args)
    {
        Location coord1, coord2;
        int x = 2, y = 2;

        coord1 = new Location(x,y);
        coord2 = new Location(x,y);
        if (coord1 == coord2 )
        {
            System.out.println("Same Coordinates");
        }
        if ( x == y )
        {
            System.out.println("Same Coordinate Points");
        }
    }
}
```

3) Write a class called `Rational` that has two private instance variables of type integer called `num` and `den`.   It has another private instance variable of type double called `number`. The constructor should calculate and store in `number` the real number that is closest to num/den. E.g. if `num` `=` `2`, and `den` `=` `3`, `number` should be ~ 0.6666666667. No methods other than the constructor need to be defined.

4) The contents of Nut.java is as follows
```
public interface Nut
{
      public void crack (int count);
      public int weighs();
}
```

Write a Filbert class that implements the Nut interface.