What does this do?

```java
1  public static void listMangler(ArrayList<String> list) {
2      for (int i = 0; i < list.size(); i++) {
3          list.set(i, "");
4      }
5  }
6
7  public static void main(String[] args) {
8      ArrayList<String> animals = new ArrayList<String>();
9      animals.add("Elephant");
10     animals.add("Bunny");
11     animals.add("Zebra");
12
13
14     ArrayList<String> animals2 = animals;
15
16     listMangler(animals);
17
18     System.out.println(animals);
19     System.out.println(animals2);
20 }
```

Draw a picture of the "street" after each line of this code. How many houses were built? How many addresses were given out?

```
1  Object o1 = new Object();
2  Object o2 = o1;
3  Object o3 = new Object();
4  o3 = o2;
```

```
1  public class Room {
2      String decorations;
3  }
4  public class House {
5      Room[] bedrooms;
6  }
```

We want to make a list of the color of every bedroom on Java Lane. Write down a method for doing this:

```
1  public void decorations(House h) {
2      int num = h.bedrooms.length;
3      for (int i = 0; i < h.bedrooms.length; i++) {
4          System.out.println(h.bedrooms[i].decorations);
5      }
6  }
```

Describe in the house analogy what each of the following lines of code do

```
1 ArrayList<Integer> list2 = list;
2 ArrayList<Integer> list3 = new ArrayList<Integer>();
3 list2.add(5);
4 list3.add(7);
5 append9000(list2);
6
7 public void append9000(ArrayList<Integer> list) {
8     list.add(9000);
9 }
```

```java
1  public void youGuess(int theAnswer) {
2      theAnswer = 1000;
3      System.out.println("I guess " + theAnswer);
4  }
5
6  public static void main(String[] args) {
7      int myNumber = 42;
8      youGuess(myNumber);
9      System.out.println("The right answer is " + myNumber);
10 }
```

```java
 1  public class TheAnswer {
 2      int answer;
 3  }
 4
 5  public void youGuess(TheAnswer ans) {
 6      ans.answer = 1000;
 7      System.out.println("I guess " + ans.answer);
 8  }
 9
10  public static void main(String[] args) {
11      TheAnswer ans = new TheAnswer();
12      ans.answer = 42;
13      youGuess(ans);
14      System.out.println("The right answer is " + ans.answer);
15  }
```

```java
1   public void doIt(int[] array) {
2       if (array == null) {
3           array = new int[1];
4           array[0] = 9999;
5       }
6       else {
7           array[0] = 101;
8       }
9   }
10
11  public static void main(String[] args) {
12      int[] array = null;
13      doIt(null);
14      doIt(array);
15      doIt(array);
16  }
```