As you work through this worksheet you will be asked to write various lines of code. Please note that as you answer each question, you are adding lines of code to your JAVA class. Be careful as index numbers of specific items may change as you work through problems. You may find it helpful to track the ArrayList while you work on the worksheet.

1. Write a line of code to create a new ArrayList called **groceryList** that holds String values.

2. Add a line of code that adds milk to your grocery list.

3. Write lines of code that add butter, popcorn, bananas, and bread to your list (in that order).

4. What is the current index of popcorn?

5. Write a line of code that will find the index number associated with bananas.

6. You remember that you desperately need to purchase some eggs so you decide to add eggs at the very beginning of your list. Write a line of code that will do this.

7. Write a for-loop that will traverse groceryList and print every element of the list (one item per line of output).

8. Write a line of code that will print the 3rd item in groceryList.

9. You remember that you also need to purchase oranges and decide to add them right after bananas (since they are located close to each other at the store). Write one line of code to do this.

10. You discover that your parents really didn't want you to purchase popcorn, they really had said to purchase pop (soda) and corn. Write two lines of code that will replace popcorn with pop and also add corn right after.

11. Write a line of code that will output a sentence that tells the user how long the groceryList is.

12. After opening the fridge you realize that you have more butter than you thought. Write a line of code that will take butter off the groceryList.

13. After all these changes you begin to wonder where corn actually ended up on your list. Write a line of code that outputs a sentence that tells the user the index number for corn.