Program 5 – Linked Lists

100 points

IMPORTANT
You must write your code while carefully following the "IT 179 Program Grading Guidelines" described in the file **posted with Program 1**.

Set-Up
Create a new Java project named: **`P5`**. Next, inside the created Java project **`P5`**, create a Java package.

Objective: Practice with linked lists

Consider the following **`SingleList`** class:

```
public class SingleList <E>{
       private Node<E> head;
       private int size;

   private static class Node<E>{
             private E data;
             private Node<E> next;
             private  Node(E data)
                  {
                     this.data=data;
                     this.next=null;
                  }

             private Node(E data, Node<E> next)
                  {
                     this.data=data;
                     this.next=next;
                  }
   }

}
```

Question 1

Write a method called **`addBulk()`** (inside the class SingleList) that will accept an ArrayList as a parameter and appends the current SingleList with all the elements that are in the ArrayList parameter. (you should be creating the method from scratch - you cannot call any of the methods we created before - and take into account any special cases).

Question 2

Write a method called reversedList (inside the class SingleList) that will **return a reversed version of the current SingleList**.(you should be creating the method from scratch -you cannot call any of the methods we created before- and take into account any special cases).

To Be Submitted

Please zip your Java project in a file called P5.zip and submit to ReggieNet before the due date.