CSC 212 Tutorial # 2 Solutions Lists

Problem 1

Problem 2

```
private static <T> void reverse(LinkedList<T> L) {
if (!L.empty()) {
       L.findfirst();
       // first we will count the number of elements
       int count = 1;// for the last element
       while (!L.last()) {
              count++;
              L.findnext();
       }
       // no need to reverse if the list have one or no elements
       if (count > 1) {
              T temp1 = null, temp2 = null;
              L.findfirst();
              for (int i = 0; i < (count / 2); i++) {</pre>
                     temp1 = L.retrieve();
                     for (int j = i; j < count - i - 1; j++)</pre>
                            L.findnext();
                     temp2 = L.retrieve();
                     L.update(temp1);
                     L.findfirst();
                     for (int j = 0; j < i; j++)
                            L.findnext();
                     L.update(temp2);
                     L.findnext();
              }
       }
}
```