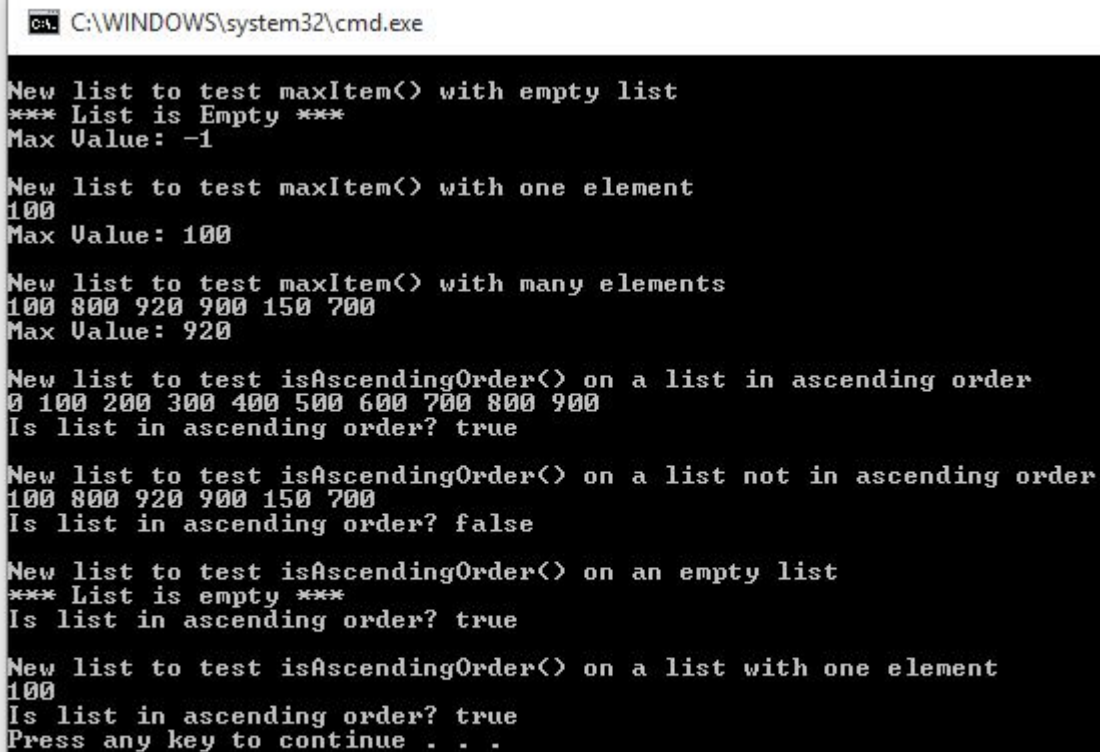


```
/*-----  
Lab 1 Submission  
Linked Lists -- Find max element and if list is in ascending order  
Created by Hyo Lee  
Student ID: 002292770  
01/12/2016  
-----*/
```



```
C:\WINDOWS\system32\cmd.exe  
  
New list to test maxItem() with empty list  
*** List is Empty ***  
Max Value: -1  
  
New list to test maxItem() with one element  
100  
Max Value: 100  
  
New list to test maxItem() with many elements  
100 800 920 900 150 700  
Max Value: 920  
  
New list to test isAscendingOrder() on a list in ascending order  
0 100 200 300 400 500 600 700 800 900  
Is list in ascending order? true  
  
New list to test isAscendingOrder() on a list not in ascending order  
100 800 920 900 150 700  
Is list in ascending order? false  
  
New list to test isAscendingOrder() on an empty list  
*** List is empty ***  
Is list in ascending order? true  
  
New list to test isAscendingOrder() on a list with one element  
100  
Is list in ascending order? true  
Press any key to continue . . .
```

Tests 1 through 3 test the ElementType maxItem() function. The first test was run on an empty list which as required returns a message to notify the user that the list was empty and returns the max value as -1. The 2<sup>nd</sup> test was run on a list with 1 element which returns the one and only element in the list as the max value. The 3<sup>rd</sup> test was run on an unsorted list with multiple elements where it correctly returns the max value of 920.

Tests 4 through 7 test the bool isAscendingOrder() function. The 4<sup>th</sup> test was run on an ascending list from 0 – 900 where the list correctly returns true. The 5<sup>th</sup> test was run on an unsorted list with multiple values where it correctly returns false. The 6<sup>th</sup> test was run on an empty list and returns true. The last test was run on a list with one element of 100 and it too correctly returns true as required.