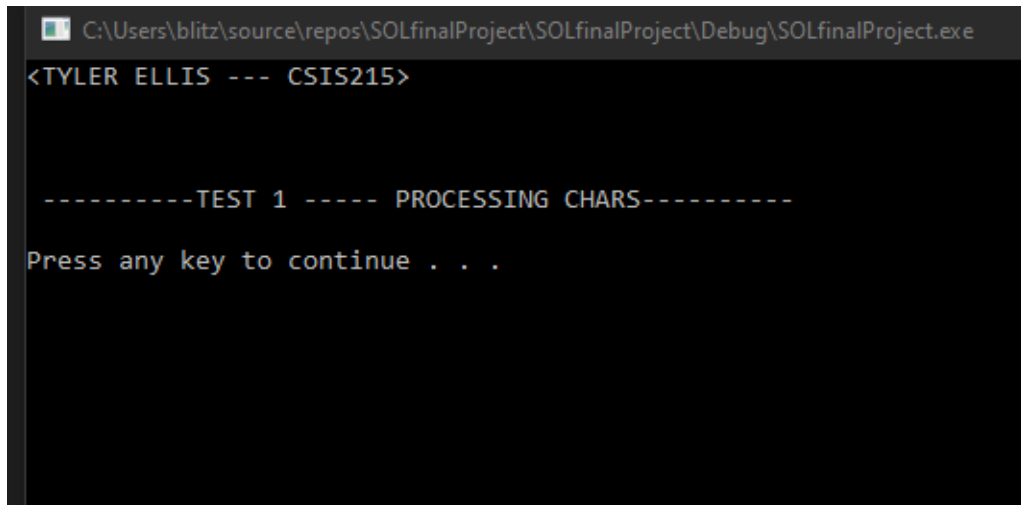Screenshots:
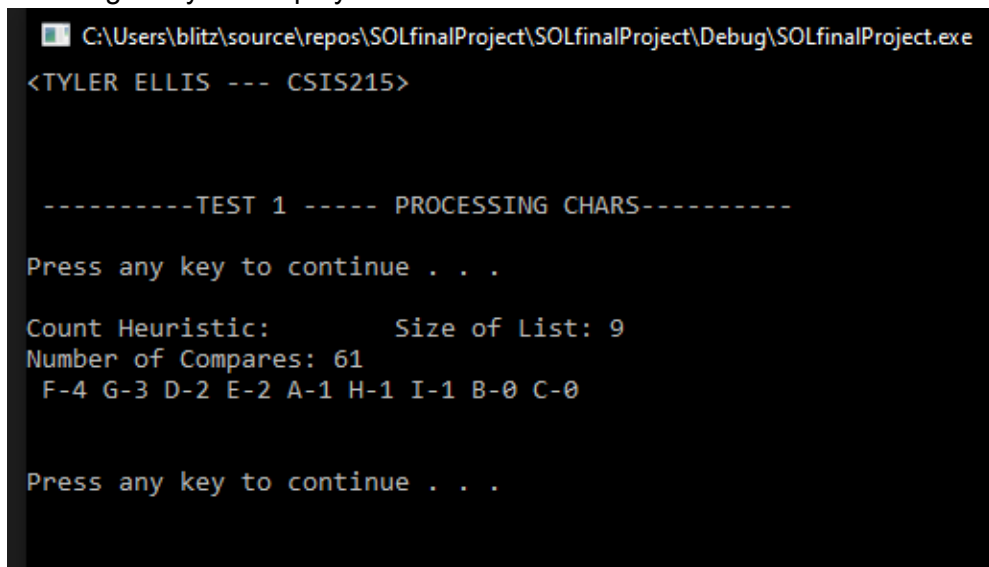
- Upon execution, my name is displayed and the test 1 banner signifies that the first three heuristics will be organizing char lists:

- Pressing a key will display the results of the count heuristic:

- Pressing a key will show the Move to front heuristic:

```
■ C:\Users\blitz\source\repos\SOLfinalProject\SOLfinalProject\Debug\SOLfinalProject.exe
<TYLER ELLIS --- CSIS215>



    ----------TEST 1 ----- PROCESSING CHARS----------

Press any key to continue . . .

Count Heuristic:          Size of List: 9
Number of Compares: 61
 F-4 G-3 D-2 E-2 A-1 H-1 I-1 B-0 C-0


Press any key to continue . . .


Move-To-Front Heuristic:        Size of List: 9
Number of Compares: 70
 I-1 H-1 E-2 G-3 F-4 D-2 A-1 B-0 C-0

Press any key to continue . . .
```

- Pressing a key once again will display the transpose heuristic:

```
----------TEST 1 ----- PROCESSING CHARS----------

Press any key to continue . . .

Count Heuristic:         Size of List: 9
Number of Compares: 61
 F-4 G-3 D-2 E-2 A-1 H-1 I-1 B-0 C-0


Press any key to continue . . .


Move-To-Front Heuristic:        Size of List: 9
Number of Compares: 70
 I-1 H-1 E-2 G-3 F-4 D-2 A-1 B-0 C-0

Press any key to continue . . .


Transpose Heuristic:    Size of List: 9
Number of Compares: 78
 A-1 B-0 F-4 D-2 G-3 E-2 H-1 I-1 C-0

Press any key to continue . . .
```

- Now that Test 1 has concluded, pressing a key will show the information for the three heuristics, one at a time, but with the string inputs:

```
Press any key to continue . . .


Transpose Heuristic:    Size of List: 9
Number of Compares: 78
 A-1 B-0 F-4 D-2 G-3 E-2 H-1 I-1 C-0

Press any key to continue . . .



 ----------TEST 2 ----- PROCESSING STRINGS----------

Press any key to continue . . .
```

- First, the count data:

```
----------TEST 2 ----- PROCESSING STRINGS----------

Press any key to continue . . .


Count Heuristic:        Size of List: 211
Number of Compares: 33870
 the-49 to-22 you-20 of-19 your-18 is-15 i-14 list-14 in-13 and-9

Press any key to continue . . .
```

- Move-to-front:

```
C:\Users\blitz\source\repos\SOLfinalProject\SOLfinalProject\Debug\SOLfinalProject.exe
 I-1 H-1 E-2 G-3 F-4 D-2 A-1 B-0 C-0

Press any key to continue . . .


Transpose Heuristic:    Size of List: 9
Number of Compares: 78
 A-1 B-0 F-4 D-2 G-3 E-2 H-1 I-1 C-0

Press any key to continue . . .



 ----------TEST 2 ----- PROCESSING STRINGS----------

Press any key to continue . . .


Count Heuristic:        Size of List: 211
Number of Compares: 33870
 the-49 to-22 you-20 of-19 your-18 is-15 i-14 list-14 in-13 and-9

Press any key to continue . . .


Move-To-Front Heuristic:        Size of List: 211
Number of Compares: 34037
 them-1 for-9 credit-6 any-8 receive-5 not-9 will-7 you-20 and-9 unimplemented-1

Press any key to continue . . .
```

- And lastly, the transpose:

```
Move-To-Front Heuristic:        Size of List: 211
Number of Compares: 34037
 them-1 for-9 credit-6 any-8 receive-5 not-9 will-7 you-20 and-9 unimplemented-1

Press any key to continue . . .


Transpose Heuristic:    Size of List: 211
Number of Compares: 41748
 the-49 list-11 implement-2 of-19 a-7 three-1 heuristics-2 self-organizing-1 whenever-3 is-8
C:\Users\blitz\source\repos\SOLfinalProject\SOLfinalProject\Debug\SOLfinalProject.exe (process 417
.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automat
le when debugging stops.
Press any key to close this window . . .
```

STATEMENTS

- I declare that this code I have added to the files downloaded from the assignment instructions is my own, original work, and that all lines of code were written exclusively by me.
- If requested by my instructor, I can provide sources for all resources I used in completing the assignment.

- I did not knowingly modify this assignment in an effort to defeat/beat the assignment expectations.