**CSE 212 – Programming with Data Structures**

**W01 Prove – Response Document**

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| **Date:** | April 23rd, 2022 |
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**Question 1: For the rotate right problem, provide a description of how you solved the problem.**

What I did to solve the problem was to use a list comprehension, which creates a new list in a range from zero to the length of the data. For my expression, I used the values stored in the data list, but instead of using the items (x) of the for loop as my index to get the values in the data list, I subtracted the amount from the items (x) of the for loop, and I used that value as my index to get the values from the data list. I realized that by doing that, I was storing in the list comprehension the values that were amount position to the left, moving my values to the right. This is possible because the data list has a specific size, and whenever I use a negative value or value smaller than the item of the for loop, I go back in the list and store those values in the left certain positions more to the right.

Graphical user interface, application, Word

Description automatically generated**Question 2: For the rotate right problem, draw a picture of how you solved the problem.**

Text

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Remember: You need to submit the following code files in addition to this document:

* 01-prove\_multiples\_of.py
* 01-prove\_rotate\_list\_right.py