**CSE 212 – Programming with Data Structures**

**W01 Prove – Response Document**

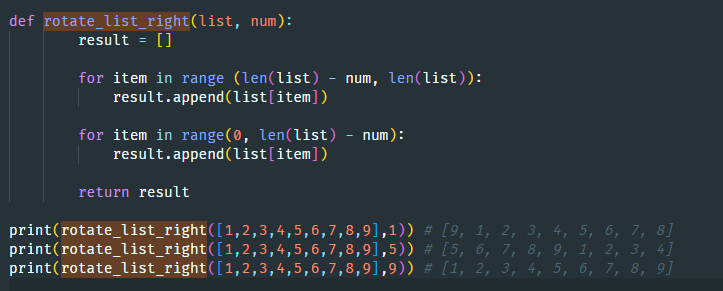
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| **Date:** | 09/24/2022 |
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**Question 1: For the rotate right problem, provide a description of how you solved the problem.**

* The code is iterating through a list of numbers, and then appending the result to another list.
* The code is doing this by using range() to create a new list with len(list) - num items in it.
* Then, for each item in that new list, the code is appending the current item into the result list.
* Finally, when all items have been processed through this loop, they are being added back into their original position in the original list.
* The main function of this program is rotate\_list\_right().
* This function takes two parameters: 1) A reference to an existing Python List object called "list" 2) An integer value which specifies how many elements should be removed from "list".
* The code is used to rotate a list of integers.
* The first line creates an empty list, then the second line iterates through the length of the list and adds each item in the range from 0 to len(list) - num.
* The third line iterates through the length of the list and appends each item in the range from len(list) - num to 0.

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



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