I spent multiple hours trying many different attempts of getting my lists of tokens and augmented sentence tokens to work, but they kept using a shallow copy, so the references were overwriting the previous lists. I tried googling for answers online but using .copy(), [:] and list() were not working. I didn’t want to import copy.deepcopy because it would require importing a library. I used Clause 3.5-sonnet in Cursor to discover a very efficient usage of list comprehension! I’m not very great at Python so this was cool to see it in such a compact and understandable way. After this I went to Youtube to learn more about List Comprehension.

For example, printing square(i) of 1 to 10 would be print([i \* i *for* i *in* range(1,11)])

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From these multiple different lines, I was able to further improve them (by myself) by merging them all into a single line in a for loop: 

Later, I also used AI to compact some code, such as this:  


When I was transitioning into using both sentence and paragraph modes, I introduced another layer of array dimensionality, and since the code was becoming so complex it was difficult for me to locate which exact locations needed to be updated or to find parts that I accidentally missed. I had Claude 3.5-sonnet help me identify the locations to help make my sentence and paragraph levels work as I intended. I received some extra changes in these responses that I didn’t want to use, I just used these responses to locate parts of my code that I missed in my transition to using the modes dimension.

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