I spent about 3 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)])

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

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:  
