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Notes:

At first, I loaded the data and created a class for products in the vending machine inventory because I thought that would lead to a more robust program, but then I decided against it, instead opting for more optimal code because I couldn’t actually find the usefulness of using said classes.

I choose to load the JSON data and convert them into python dictionaries, because using one of Python’s most useful built in structures felt like the obvious choice here.

The hardest part of this was probably getting the output to look like the expected which looked like a JSON with multiple dictionaries, at least from the third example. In the for loop that iterated through transactions, the results would be stored in a dictionary. A copy of each of these dictionaries would then be stored into a list. This list would then be put through JSON’s dump function to generate the expected string. This was the only way I could see to output unique transaction results.