Code review by Edi and Kun for Tabita and Lavinia

https://github.com/914LucaciuTabita/LFTC/tree/main/Lab7

What's Great:

- -you've done a great job with comments and docstrings. they're clear, concise, and really help in understanding the code.
- -we like the way you've structured your classes and functions. it's modular, making it easier to follow the logic.
- -good use of meaningful variable and function names. it makes the code self-explanatory.
- -you're handling exceptions properly, which is awesome.
- -the code follows PEP 8 (Python's style guide) quite well. it's clean and readable.

Improvements:

- -there seems to be some code duplication across your scanning methods (_scan_string, _scan_integer, etc.).
- -consider refactoring to reduce redundancy.
- -it might be beneficial to provide more context in your error messages, especially for the SyntacticalError. knowing which part of the grammar or input caused the error could be very helpful for debugging.
- -you've used some magic values like STR_QUOTE and ZERO_DIGIT. consider defining them as constants at the beginning of your file to improve readability.
- -the LL1 class, while well-structured, has quite a bit of complexity. it might be worth breaking down some of its functionality into smaller, more focused methods.

Suggestions:

- -consider using type hints more consistently throughout your code to enhance readability.
- -adding more comprehensive unit tests would be beneficial, especially for the scanning and parsing parts.
- -consider using a logger for more sophisticated logging instead of print statements.

Overall, your code looks quite well-organized and seems to follow good practices. Here are some thoughts: