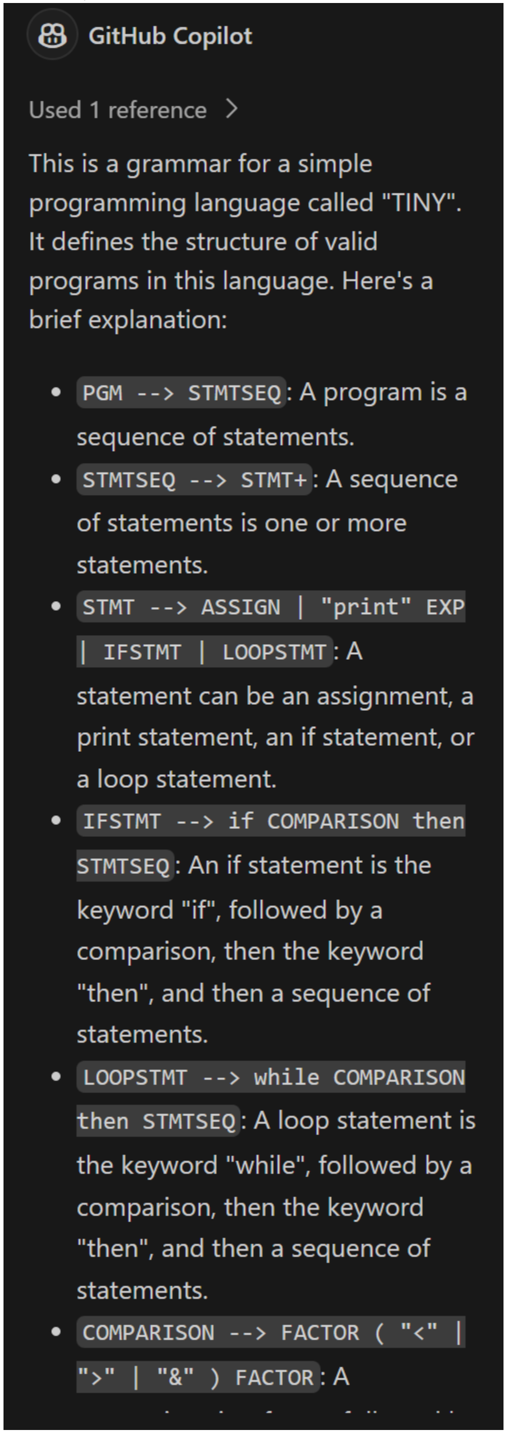
Using Github Copilot to help me with the homework

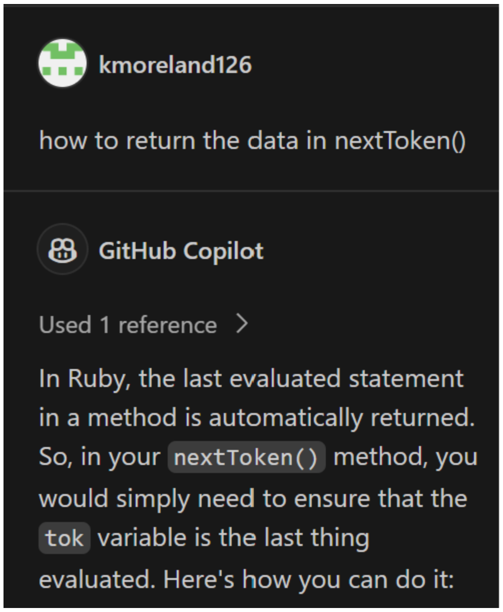
1. I began the assignment by downloading all of the files from Vocareum.
2. I then asked copilot about the grammar that was provided and how to follow the data I already had and what it meant.



This is a grammar for a simple programming language called "TINY". It defines the structure of valid programs in this language. Here's a brief explanation:

- `PGM --> STMTSEQ`: A program is a sequence of statements.
- `STMTSEQ --> STMT+`: A sequence of statements is one or more statements.
- `STMT --> ASSIGN | "print" EXP | IFSTMT | LOOPSTMT`: A statement can be an assignment, a print statement, an if statement, or a loop statement.
- `IFSTMT --> if COMPARISON then STMTSEQ`: An if statement is the keyword "if", followed by a comparison, then the keyword "then", and then a sequence of statements.
- `LOOPSTMT --> while COMPARISON then STMTSEQ`: A loop statement is the keyword "while", followed by a comparison, then the keyword "then", and then a sequence of statements.
- `COMPARISON --> FACTOR ( "<" | ">" | "&" ) FACTOR`: A

3. I was then able to finish the tokens that I needed in TinyToken.rb.
4. I then completed the initialize method and moved on to the nextToken method.
5. From there I asked copilot how I should return the data.



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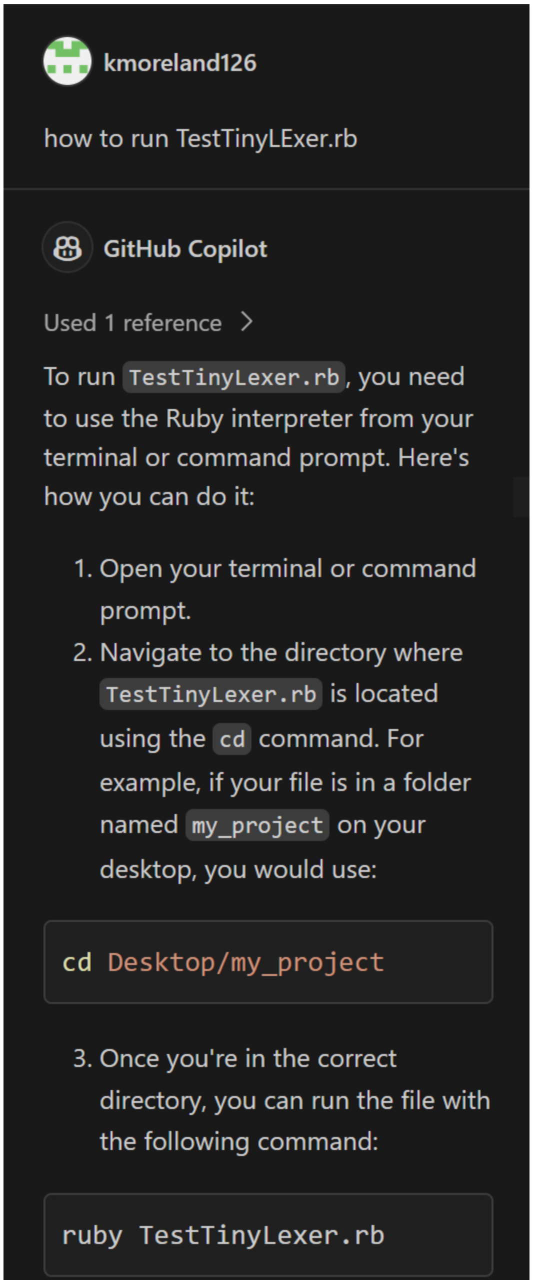
how to return the data in nextToken()

GitHub Copilot

Used 1 reference

In Ruby, the last evaluated statement in a method is automatically returned. So, in your `nextToken()` method, you would simply need to ensure that the `tok` variable is the last thing evaluated. Here's how you can do it:

6. Once I began finishing each part of my code I asked copilot how to test in ruby since it is a new language.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how to run TestTinyLExer.rb

GitHub Copilot

Used 1 reference

To run `TestTinyLexer.rb`, you need to use the Ruby interpreter from your terminal or command prompt. Here's how you can do it:

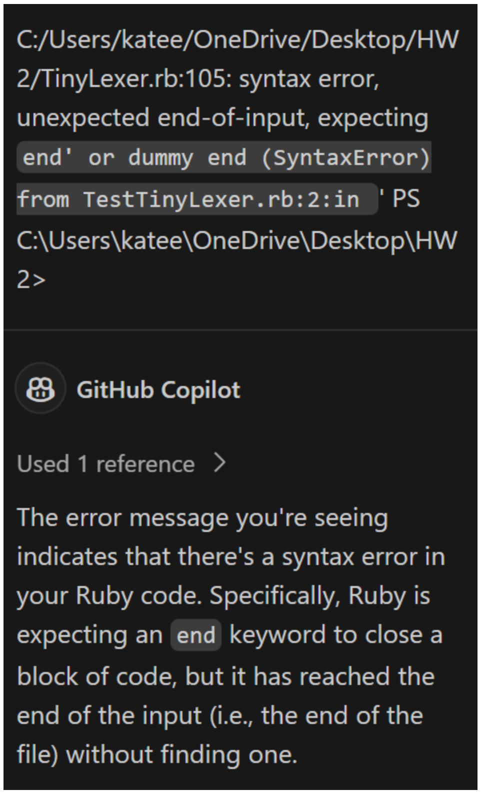
1. Open your terminal or command prompt.
2. Navigate to the directory where `TestTinyLexer.rb` is located using the `cd` command. For example, if your file is in a folder named `my_project` on your desktop, you would use:

```
cd Desktop/my_project
```

3. Once you're in the correct directory, you can run the file with the following command:

```
ruby TestTinyLexer.rb
```

7. Once I began, testing I could ask what the response message was saying and how to fix it. I used copilot to help me figure out the end statements since it is different from Java which is what I have been using the most recently.



C:/Users/katee/OneDrive/Desktop/HW 2/TinyLexer.rb:105: syntax error, unexpected end-of-input, expecting `end' or dummy end (SyntaxError) from TestTinyLexer.rb:2:in `' PS C:\Users\katee\OneDrive\Desktop\HW 2>

GitHub Copilot

Used 1 reference >

The error message you're seeing indicates that there's a syntax error in your Ruby code. Specifically, Ruby is expecting an `end` keyword to close a block of code, but it has reached the end of the input (i.e., the end of the file) without finding one.