

## Copilot

Sure, I'd be happy to help!

### (1) Description of Bugs and Required Fixes:

1. **Syntax Error:** The line `if fib = number:` should use `==` for comparison instead of `=`.
2. **Logic Error:** The Fibonacci sequence calculation is incorrect. The variables `f1` and `f2` should be updated correctly to generate the next Fibonacci number.
3. **Index Initialization:** The `index` should start from 0 if you want to include the first Fibonacci number (0) in the sequence.
4. **Function Definition:** The method `fibonacci_index` should have `self` as its first parameter if it is intended to be an instance method.

### (2) Hint:

Check the comparison operator in the condition `if fib = number:`.

Feel free to ask if you need more hints or further assistance! 😊