**Programming Exercise 02**

**Questions**

**For each question, explain your reasoning.**

1. What is the solution to this error?

SyntaxError: invalid syntax. Maybe you meant '==' or ':=' instead of '='?

The error happened because a single = is an assignment operator, while == is used for comparison in conditionals. In Python, if n = 0 or n = 1: should be if n == 0 or n == 1:. Fixing this comparison allows the program to correctly evaluate whether n is 0 or 1.

1. What was your solution to printing the first 10 Fibonacci numbers?

Initially, the program printed Fibonacci numbers from index 0 to 9. To fix it and print from 1 to 10 instead, I changed the range(0, 10) to range(1, 11). Additionally, to match the Fibonacci number correctly with "i", I printed fib(i-1) since Fibonacci indexing starts at 0.

1. What is the solution to this linting issue?

Linting caught several issues such as wrong spacing, improper naming conventions (capitalized function names), missing docstrings, and improper concatenation of different data types. I fixed all linting issues by renaming functions to lowercase, adding proper docstrings, using f-strings for printing, and cleaning up the code formatting for readability.

Graphical user interface, text

Description automatically generated