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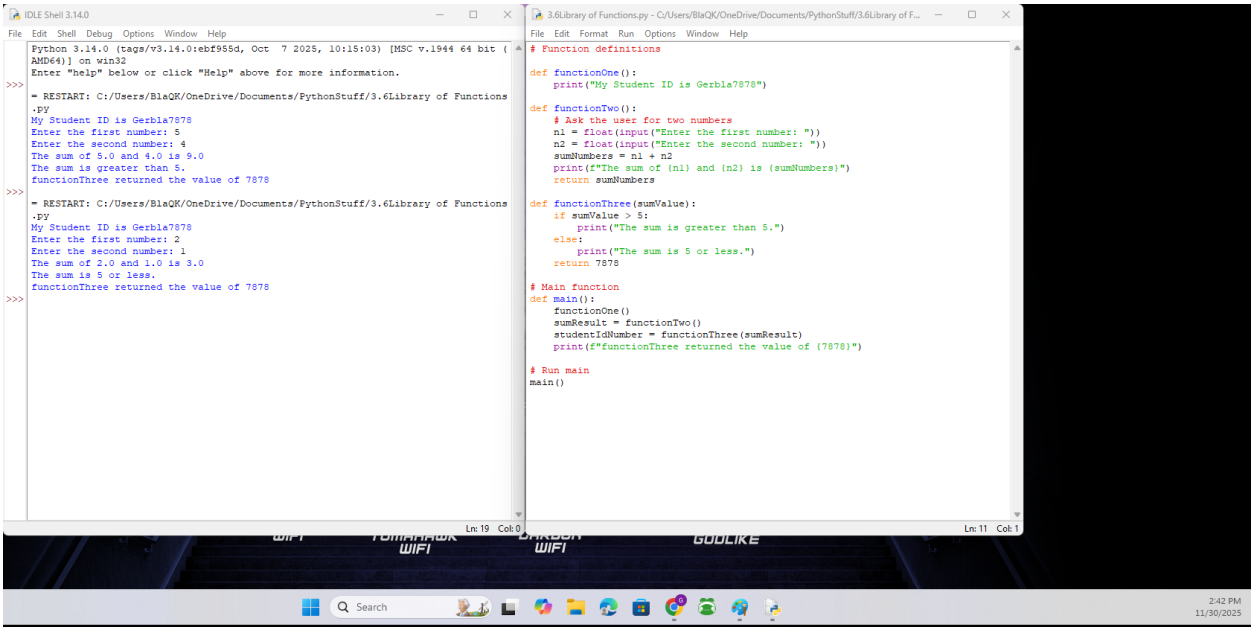
3.6 Performance Assessment Library of Functions



1. What is the purpose of a function?

   A function is used to **organize code into reusable blocks**. It helps make programs easier to read, reduces repetition, and allows you to perform tasks by calling the function instead of rewriting code.

2. Why might you pass more than one parameter to a function?

   You pass more than one parameter when the function needs multiple pieces of information to do its job.

3. If a function returns a value, what do you do with that value in the calling function?

   You usually **store the returned value in a variable** so you can use it later

4. Explain this line of code:

a. `print(f'I am sending output to the console showing the value {num1}.')`

This prints a sentence, and {num1} is replaced with the value stored in the variable **num1.**

5. You have code that calls a function named myFunction() from main. After myFunction() executes, what is the next step in the program flow?

`myFunction()` finishes, the program **returns to the next line of code in `main()`** right after the function call.