**Programming Exercise 05**

**Questions**

1. Why do we name the tests test\_1, test\_2, etc.?

We name the tests test\_1, test\_2, and so on to make sure they run in a specific order. By default, Python runs test methods alphabetically, so this helps us control the flow, for example, making sure a POST request (which adds data) happens before a GET request (which reads that data). It’s just a simple way to organize things clearly and predictably.

1. What is the function of the payload variable?

The payload is the data we send to the server, like a message. For example, if we’re adding a new task or student record, the payload holds that information (like their name and status). It’s what the test sends so the server knows what we’re asking it to do. Without it, the server wouldn’t have any data to work with.

1. What is the function of the assertEqual function?

The assertEqual function checks if two things are the same. In testing, it helps us confirm that our code is working correctly. For example, after sending a request, we might expect the server to reply with “Success.” assertEqual makes sure the actual response matches what we expect, and if it doesn’t, the test will fail so that way we know something’s wrong.

**Snippets:**  
A screen shot of a computer

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