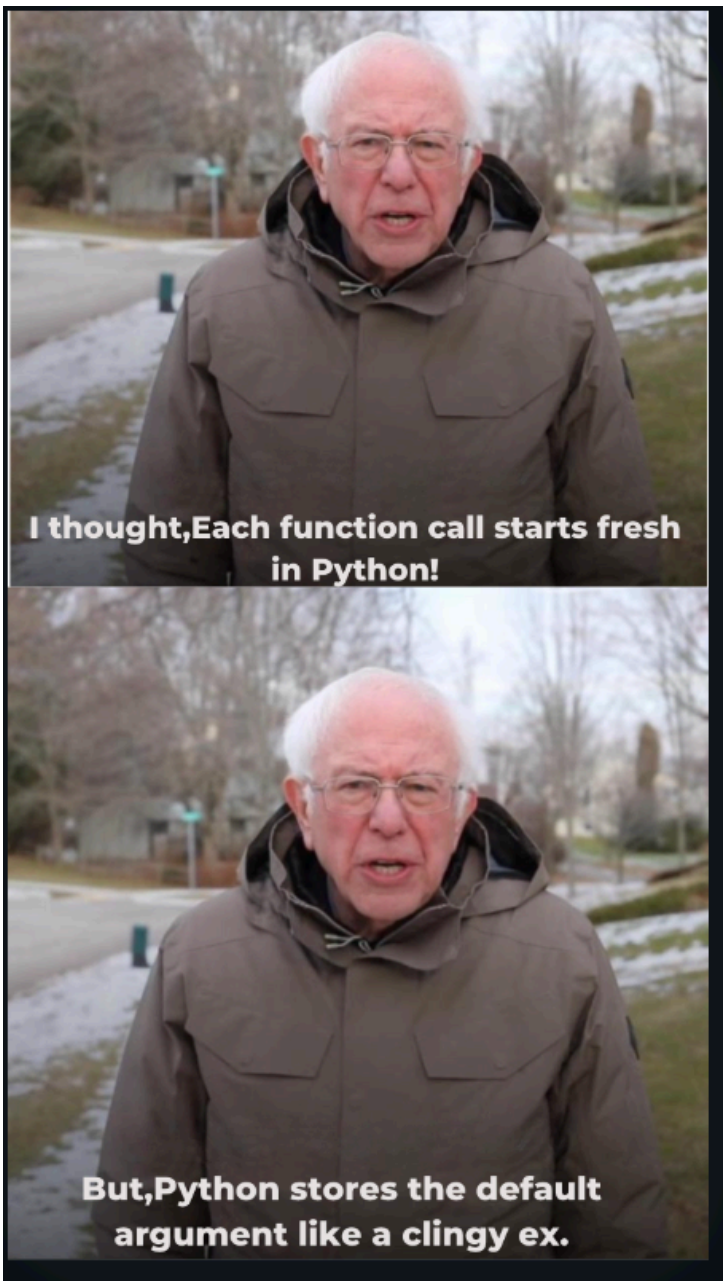
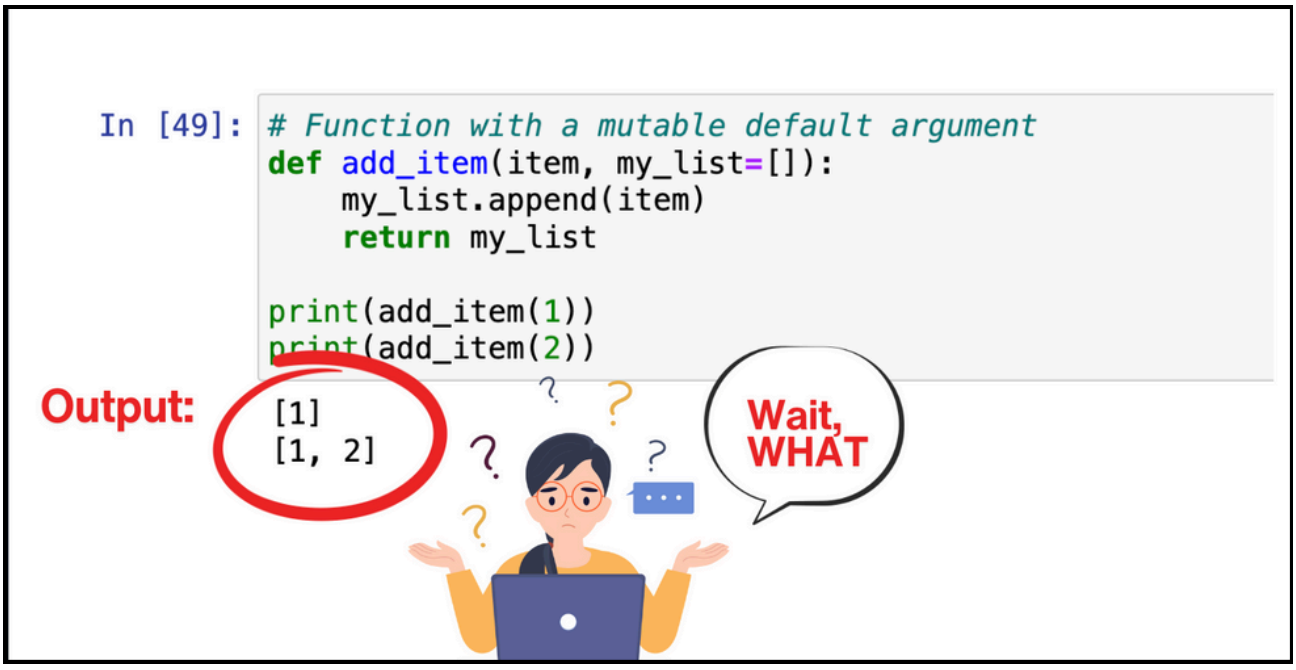
🤯 *Python's Sneaky Mutable Default Arguments!*



The Mystery Code:



🧐 What Just Happened?

💡 When we call add_item(1), Python creates my_list once and stores it.

💡 When we call add_item(2), it **doesn't** create a new list; it just modifies the same one! 😲

🧐 Why It Happened?

💡 This happens because **default arguments in Python are evaluated only once** when the function is defined, not each time it's called.

🚀 Fix It Like a Pro!

Instead of using a mutable list as a default argument, use **None** and create a new list inside the function:

🎯 Golden Rule:

❌ Avoid mutable default arguments like lists or dictionaries. ✅ Use `` as a placeholder and initialize inside the function.

💬 Which Python quirks have surprised you the most? Drop a comment! 🔥