Final Project Script Three Reflection

The task for this assignment was to create a simple ATM script by way of creating functions in Python. The functions within the script needed to do the following: 1) Collect customer input, 2) Calculate the ending balance, and 3) Display the results to the customer.

Functions in Python, like most scripting languages, are created to execute a specific task within a script. The primary functions used in this ATM script assignment are *printbalance()*, *deposit()* and *withdrawal()*. Each of those functions performs a task in accordance with what their name describes. Thus, I need not explain what each function does. Function parameters in *deposit* and *withdrawal* are utilized to manipulate the account balance locally within the function. This was done so that the global variable, account\_balance, can be passed in those functions when they are called in the *userchoice* branches.

This assignment was straightforward, and I did not run into any major errors in the script. One error that I frequently received, however, occurred when I was attempting to create a parameter in the function definitions of deposit and withdrawal. The original name for the created parameter I chose was account\_balance, the same name as the global variable. I did this for simplicity, to make the logic easy to follow along. I assumed that this was acceptable because I thought Python was able to differentiate between the local parameter and a global variable if they have the same name. This error was corrected when I changed the parameter name to current\_balance and the script ran as intended.