

Week 1 task solution

Task:

1. Create a file called `control_flow_atm.py`
2. Create a variable called `balance` with an `int` value representing the money in the user's account
3. Create a variable called `pin` with an `int` value (for example 1234)
4. Prompt the user to enter their `pin` !
5. If the `pin` values match, display their balance.
6. If they don't match, print out a message notifying the user.

Extensions:

7. If the `pin` matches, give the prompt to the user if they'd like to withdraw or deposit some money.
8. Once they made their choice, prompt them to enter an amount.
9. Subtract or add the value to their account balance, then display the updated balance!

Please be aware that extensions are meant to be harder to do and not expected to complete - they are there for you if you crave a bigger challenge!

Also keep in mind that there are more than one way to solve the task - as long as the output matches, the specifics can differ! If you have any questions, feel free to discuss in the LinkedIn Group!

Example solution

```
# BASE TASK
# Setting up pin and balance
pin = 1234
balance = 50000

# prompting user for input
input_pin = input("Please enter your PIN number!")

# turning input to int() so it can check for equality between 2 ints
if(pin == int(input_pin)):
    # turning balance to str so we can combine with message
    print("Your balance is " + str(balance))
else:
    print("Incorrect PIN! Please try again!")

# EXTENSIONS

pin = 1234
balance = 50000

input_pin = input("Please enter your PIN number!")

# Checking if input pin is correct
if(pin == int(input_pin)):
    # Prompting user for withdraw or deposit
    user_choice = input("Would you like to deposit or withdraw cash?")
    if(user_choice == "withdraw"):
        # Prompting user for withdraw amount
        amount = input("Please enter your chosen amount to withdraw")
        # Print out new balance after withdraw
        balance -= int(amount)
        print("Your new balance is " + str(balance))
    if(user_choice == "deposit"):
        # Prompting user for deposit amount
        amount = input("Please enter your chosen amount to deposit")
        # Print out new balance after withdraw
        balance += int(amount)
        print("Your new balance is " + str(balance))
else:
    print("Incorrect PIN! Please try again!")
```