class BankAccount:  
 def \_\_init\_\_(self, account\_number, pin, balance=0.0):  
 self.account\_number = account\_number  
 self.pin = pin  
 self.balance = balance  
  
 def display\_balance(self):  
 print(f"Account Balance: ${self.balance:.2f}")  
  
 def deposit(self, amount):  
 if amount > 0:  
 self.balance += amount  
 print(f"${amount:.2f} deposited successfully.")  
 self.display\_balance()  
 else:  
 print("Invalid amount for deposit.")  
  
 def withdraw(self, amount):  
 if amount > 0 and amount <= self.balance:  
 self.balance -= amount  
 print(f"${amount:.2f} withdrawn successfully.")  
 self.display\_balance()  
 else:  
 print("Invalid amount for withdrawal or insufficient funds.")  
  
def main():  
 # Sample account creation  
 account = BankAccount(account\_number='67288604665', pin='7510', balance=1000.0)  
  
 # Login  
 entered\_account\_number = input("Enter your account number: ")  
 entered\_pin = input("Enter your PIN: ")  
  
 if entered\_account\_number == account.account\_number and entered\_pin == account.pin:  
 print("Login successful.")  
 while True:  
 # Menu  
 print("\n1. Display Balance")  
 print("2. Deposit")  
 print("3. Withdraw")  
 print("4. Exit")  
  
 choice = input("Enter your choice (1-4): ")  
  
 if choice == '1':  
 account.display\_balance()  
 elif choice == '2':  
 amount = float(input("Enter the amount to deposit: $"))  
 account.deposit(amount)  
 elif choice == '3':  
 amount = float(input("Enter the amount to withdraw: $"))  
 account.withdraw(amount)  
 elif choice == '4':  
 print("Exiting the program. Goodbye!")  
 break  
 else:  
 print("Invalid choice. Please enter a number between 1 and 4.")  
 else:  
 print("Invalid account number or PIN. Login failed.")  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 main()