TASK 3 ATM INTERFACE

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class BankAccount:
  def __init__(self, balance=0.0):
    self.balance = balance
  def deposit(self, amount):
    if amount > 0:
      self.balance += amount
      return True
    else:
      return False
  def withdraw(self, amount):
    if 0 < amount <= self.balance:
      self.balance -= amount
      return True
    else:
      return False
  def get_balance(self):
    return self.balance
class ATM:
  def __init__(self, account):
    self.account = account
  def show_menu(self):
    print("\nATM Menu:")
```

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print("1. Deposit")
  print("2. Withdraw")
  print("3. Check Balance")
  print("4. Exit")
def deposit(self, amount):
  if self.account.deposit(amount):
    print(f"Successfully deposited {amount}.")
  else:
    print("Invalid deposit amount.")
def withdraw(self, amount):
  if self.account.withdraw(amount):
    print(f"Successfully withdrew {amount}.")
  else:
    print("Insufficient balance or invalid amount.")
def check_balance(self):
  balance = self.account.get_balance()
  print(f"Your current balance is: {balance:.2f}")
def run(self):
  while True:
    self.show_menu()
    choice = input("Enter your choice: ").strip()
    if choice == '1':
      amount = float(input("Enter amount to deposit: "))
      self.deposit(amount)
    elif choice == '2':
      amount = float(input("Enter amount to withdraw: "))
```

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self.withdraw(amount)

elif choice == '3':
    self.check_balance()

elif choice == '4':
    print("Thank you for using the ATM. Goodbye!")

break

else:
    print("Invalid choice. Please select a valid option.")

if __name__ == "__main__":
    # Create a bank account with an initial balance
    account = BankAccount(1000.0)

# Create an ATM with the bank account
    atm = ATM(account)

# Run the ATM
    atm.run()
```