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In [23]: class BankAccount:
    def __init__(self, username, password):
        self.username = username
        self.password = password
        self.balance = 50000
        self.is_logged_in = False

    def login(self, username, password):
        if username == self.username and password == self.password:
            self.is_logged_in = True
            print("Login successful!")
        else:
            print("Invalid credentials!")

    def deposit(self, amount):
        if self.is_logged_in:
            self.balance += amount
            print(f"Amount Deposited: {amount}. New Balance: {self.balance}")
        else:
            print("Please login to deposit.")

    def withdraw(self, amount):
        if self.is_logged_in:
            if amount > self.balance:
                print("Insufficient balance.")
            else:
                self.balance -= amount
                print(f"Amount Withdrawn: {amount}. New Balance: {self.balance}")
        else:
            print("Please login to withdraw.")

    def transfer(self, target_account, amount):
        if self.is_logged_in:
            if amount > self.balance:
                print("Insufficient balance for the transfer.")
            else:
                self.balance -= amount
                target_account.balance += amount
                print(f"Transferred to {target_account.username}: {amount}.")
        else:
            print("Please login to make a transfer.")

    def check_balance(self):
        if self.is_logged_in:
            print(f"Your current balance is: {self.balance}")
        else:
            print("Please login to check your balance.")

    def logout(self):
        self.is_logged_in = False
        print("Logged out successfully.")

def main():
    account = BankAccount('priya', '123')
    target_account = BankAccount('kevin', "None")

    while True:
        print("\nWelcome to the Banking System")
        print("1: Login")
        print("2: Deposit")
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print("3: Withdraw")
print("4: Transfer")
print("5: Check Balance")
print("6: Logout")

user_input = input("Please choose an option: ")

if user_input == '1':
    username = input("Enter your username: ")
    password = input("Enter your password: ")
    account.login(username, password)

elif user_input == '2':
    if account.is_logged_in:
        amount = float(input("Enter the amount to deposit: "))
        account.deposit(amount)
    else:
        print("You must login first.")

elif user_input == '3':
    if account.is_logged_in:
        amount = float(input("Enter the amount to withdraw: "))
        account.withdraw(amount)
    else:
        print("You must login first.")

elif user_input == '4':
    if account.is_logged_in:
        amount = float(input("Enter the amount to transfer: "))
        account.transfer(target_account, amount)
    else:
        print("You must login first.")

elif user_input == '5':
    account.check_balance()

elif user_input == '6':
    account.logout()
    break

else:
    print("Invalid option.")

next_transaction = input("Would you like to do another transaction?")
if next_transaction.lower() != 'yes':
    print("Thank you for using the Banking system. Goodbye!")
    break

if __name__ == "__main__":
    main()

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Welcome to the Banking System

- 1: Login
- 2: Deposit
- 3: Withdraw
- 4: Transfer
- 5: Check Balance
- 6: Logout

Please choose an option: 1

Enter your username: priya

Enter your password: 123

Login successful!

Would you like to do another transaction? (yes/no): yes

Welcome to the Banking System

- 1: Login
- 2: Deposit
- 3: Withdraw
- 4: Transfer
- 5: Check Balance
- 6: Logout

Please choose an option: 2

Enter the amount to deposit: 10000

Amount Deposited: 10000.0. New Balance: 60000.0

Would you like to do another transaction? (yes/no): yes

Welcome to the Banking System

- 1: Login
- 2: Deposit
- 3: Withdraw
- 4: Transfer
- 5: Check Balance
- 6: Logout

Please choose an option: 3

Enter the amount to withdraw: 5000

Amount Withdrawn: 5000.0. New Balance: 55000.0

Would you like to do another transaction? (yes/no): yes

Welcome to the Banking System

- 1: Login
- 2: Deposit
- 3: Withdraw
- 4: Transfer
- 5: Check Balance
- 6: Logout

Please choose an option: 4

Enter the amount to transfer: 25000

Transferred to kevin: 25000.0. New Balance: 30000.0

Would you like to do another transaction? (yes/no): yes

Welcome to the Banking System

- 1: Login
- 2: Deposit
- 3: Withdraw
- 4: Transfer
- 5: Check Balance
- 6: Logout

Please choose an option: 5

Your current balance is: 30000.0

Would you like to do another transaction? (yes/no): yes

Welcome to the Banking System

1: Login

2: Deposit

3: Withdraw

4: Transfer

5: Check Balance

6: Logout

Please choose an option: 6

Logged out successfully.

In []:

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