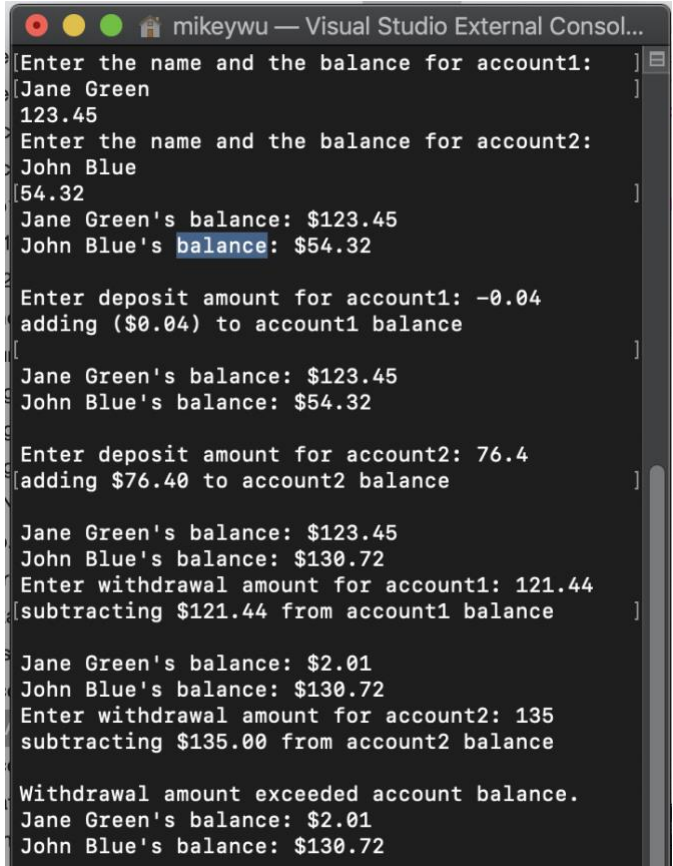


Account Class

- 1) Modify the *Account* class to include the following members:
 - a) A private decimal field named *_balance*;
 - b) A public and auto-implemented string property named *Name* with a non-public set accessor;
 - c) A public property named *Balance* that fetches the value from *_balance* field and sets only a positive value into the field.
- 2) Modify class *Account* to provide
 - a) a *Withdraw* method that withdraws money from an *Account*.
 - i) Ensure that the withdrawal amount doesn't exceed the balance.
 - ii) If it does,
 - (1) the balance should not be changed, and
 - (2) the method should display a message indicating "*Withdrawal amount exceeded account balance.*"
 - b) a *Deposit* method that deposits money into an *Account*.
 - i) Ensure that the *deposit amount* is not a negative number.
 - ii) If it is negative, the *Balance* should not be changed.
- 3) Test the *Account* class in the *AccountTest*'s *Main* method. (A prompt means user input – see screenshot)
 - a) Prompt for the name of the first account.
 - b) Prompt for the balance of the first account.
 - c) Prompt for the name of the second account.
 - d) Prompt for the balance of the second account.
 - e) Create instances for the first and the second account.
 - f) *Display accounts* – we will show the following when you see *Display accounts*.
 - i) Display the name and the balance of the first account.
 - ii) Display the name and the balance of the second account.
 - g) Prompt for the deposit amount.
 - h) Deposit the deposit amount into the first account.
 - i) *Display accounts*.
 - j) Deposit the deposit amount into the second account.
 - k) *Display accounts*.
 - l) Prompt for the withdrawal amount.
 - m) Withdraw the withdrawal amount from the first account.
 - n) *Display accounts*.
 - o) Withdraw the withdrawal amount from the second account.
 - p) *Display accounts*.
- 4) Make sure all your unit tests for *Account* passes.



```
mikeywu — Visual Studio External Consol...
Enter the name and the balance for account1: ]
Jane Green
123.45
Enter the name and the balance for account2: ]
John Blue
54.32
Jane Green's balance: $123.45
John Blue's balance: $54.32

Enter deposit amount for account1: -0.04
adding ($0.04) to account1 balance

Jane Green's balance: $123.45
John Blue's balance: $54.32

Enter deposit amount for account2: 76.4
adding $76.40 to account2 balance

Jane Green's balance: $123.45
John Blue's balance: $130.72
Enter withdrawal amount for account1: 121.44
subtracting $121.44 from account1 balance

Jane Green's balance: $2.01
John Blue's balance: $130.72
Enter withdrawal amount for account2: 135
subtracting $135.00 from account2 balance

Withdrawal amount exceeded account balance.
Jane Green's balance: $2.01
John Blue's balance: $130.72
```