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//Professor Ziegler
//HW7
//Jinglin Tan
//I am doing extra credit 2

initial database of accounts and balances
Account: 1001    Balance: 100.11
Account: 1002    Balance: 200.22
Account: 1003    Balance: 300.33
Account: 1004    Balance: 400.44
Account: 1005    Balance: 500.55
Account: 1006    Balance: 600.66
Account: 1007    Balance: 700.77
Account: 1008    Balance: 0.00
Account: 1009    Balance: 0.00
Account: 1010    Balance: 1000.10


Error: Y is not in the menu

Error: Z is not in the menu

Transaction: balance
Account: 1007
The balance of account 1007 is 700.77

Transaction: balance
Account: 1030
Error: account 1030 doesn't exist

Transaction: deposit
Account: 1001
Account 1001 has been deposited with 100.00

Transaction: deposit
Account: 1002
Error: the amount entered -100.00 is negative

Transaction: deposit
Account: 1040
Error: account 1040 doesn't exist

Transaction: withdrawal
Account: 1003
Account 1003 has been withdrawed by 200.00

Transaction: withdrawal
Account: 1004
Error: the amount entered -200.00 is negative

Transaction: withdrawal
Account: 1005
Error: account 1005 doesn't contain sufficient funds to withdraw 600.00

Transaction: withdrawal
Account: 1050
Error: account 1050 doesn't exist

Transaction: new account
Account: 1011
Account 1011 has been created with balance 0.00

Transaction: new account
Account: 1012
Account 1012 has been created with balance 0.00

Transaction: new account
Account: 1013
Account 1013 has been created with balance 0.00
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Transaction: new account
Account: 1006
Error: account 1006 already exists

Transaction: balance
Account: 1011
The balance of account 1011 is 0.00

Transaction: deposit
Account: 1011
Account 1011 has been deposited with 400.00

Transaction: deposit
Account: 1012
Account 1012 has been deposited with 300.00

Transaction: withdrawal
Account: 1012
Account 1012 has been withdrawed by 200.00

Transaction: withdrawal
Account: 1012
Error: account 1012 doesn't contain sufficient funds to withdraw 200.00

Transaction: balance
Account: 1012
The balance of account 1012 is 100.00

Transaction: withdrawal
Account: 1013
Error: account 1013 doesn't contain sufficient funds to withdraw 100.00

Transaction: delete Account
Account: 1008
Account 1008 has been deleted

Transaction: delete Account
Account: 1009
Account 1009 has been deleted

Transaction: delete Account
Account: 1010
Error: account 1010 has a non-zero balance

Transaction: delete Account
Account: 1060
Error: account 1060 doesn't exist

Final contents of the account and balance arrays
Account: 1001   Balance: 200.11
Account: 1002   Balance: 200.22
Account: 1003   Balance: 100.33
Account: 1004   Balance: 400.44
Account: 1005   Balance: 500.55
Account: 1006   Balance: 600.66
Account: 1007   Balance: 700.77
Account: 1010   Balance: 1000.10
Account: 1011   Balance: 400.00
Account: 1012   Balance: 100.00
Account: 1013   Balance: 0.00