

hw1.Application

Type = CheckingAccount

-----  
Account openDate = Sun Nov 27 14:49:05 CST 2016  
Account Name = John Smith Account Balance = 1500.0

Type = SavingAccount

-----  
Account openDate = Sun Nov 27 14:49:05 CST 2016  
Account Name = William Hurt Account Balance = 1200.0

Type = CDAccount

-----  
Account openDate = Sun Nov 27 14:49:05 CST 2016  
Account Name = Woody Allison Account Balance = 1000.0

Type = LoanAccount

-----  
Account openDate = Sun Nov 27 14:49:05 CST 2016  
Account Name = Judi Foster Account Balance = -1500.0  
My test data

=====

從 Checking Account 領出\$500

Withdraw Date: Sun Nov 27 14:49:05 CST 2016  
Account <John Smith> now withdraws \$500.0  
Account <John Smith> now has \$1000.0 balance

從 Checking Account 再領出\$1

Withdraw Date: Sun Nov 27 14:49:05 CST 2016  
Account <John Smith> now withdraws \$1.0  
EXCEPTION: Banking system throws a class hw1.BankingException with message:  
MESSAGE: Underdraft from checking account name:John Smith  
Account balance remains \$1000.0

存\$500 到 Checking Account

Deposit Date: Sun Nov 27 14:49:05 CST 2016  
Account <John Smith> now deposits \$500.0

Account <John Smith> now has \$1500.0 balance

從 Saving Account 領出\$100 (This month count -> 1)

Withdraw Date: Sun Nov 27 14:49:05 CST 2016

Account <William Hurt> now withdraws \$100.0

Last transaction date:Sun Nov 27 14:49:05 CST 2016

This transaction date:Sun Nov 27 14:49:05 CST 2016

This month transaction count (exclude this time) => 0.0

Account <William Hurt> now has \$1100.0 balance

從 Saving Account 領出\$100 (This month count -> 2)

Withdraw Date: Sun Nov 27 14:49:05 CST 2016

Account <William Hurt> now withdraws \$100.0

Last transaction date:Sun Nov 27 14:49:05 CST 2016

This transaction date:Sun Nov 27 14:49:05 CST 2016

This month transaction count (exclude this time) => 1.0

Account <William Hurt> now has \$1000.0 balance

從 Saving Account 領出\$100 (This month count -> 3)

Withdraw Date: Sun Nov 27 14:49:05 CST 2016

Account <William Hurt> now withdraws \$100.0

Last transaction date:Sun Nov 27 14:49:05 CST 2016

This transaction date:Sun Nov 27 14:49:05 CST 2016

This month transaction count (exclude this time) => 2.0

Account <William Hurt> now has \$900.0 balance

從 Saving Account 領出\$100 (This month count -> 4)

Withdraw Date: Sun Nov 27 14:49:05 CST 2016

Account <William Hurt> now withdraws \$100.0

Last transaction date:Sun Nov 27 14:49:05 CST 2016

This transaction date:Sun Nov 27 14:49:05 CST 2016

This month transaction count (exclude this time) => 3.0

Account <William Hurt> now has \$799.0 balance

從 Saving Account 領出\$100 (This month count -> 5)

Withdraw Date: Sun Nov 27 14:49:05 CST 2016

Account <William Hurt> now withdraws \$100.0

Last transaction date:Sun Nov 27 14:49:05 CST 2016

This transaction date:Sun Nov 27 14:49:05 CST 2016  
This month transaction count (exclude this time) => 4.0  
Account <William Hurt> now has \$698.0 balance

從 Saving Account 存進\$1000 (This month count -> 6)

Deposit Date: Sun Nov 27 14:49:05 CST 2016  
Account <William Hurt> now deposit(1000)  
Last transaction date:Sun Nov 27 14:49:05 CST 2016  
This transaction date:Sun Nov 27 14:49:05 CST 2016  
This month transaction already count (exclude this time) => 5.0  
Account <William Hurt> now has \$1697.0 balance

從 CD Account 存進\$1000

Deposit Date: Sun Nov 27 14:49:05 CST 2016  
Account <Woody Allison> now deposit(1000)  
EXCEPTION: Banking system throws a class hw1.BankingException with message:  
MESSAGE: Invalid to deposit for account nameWoody Allison  
Account balance remains \$1000.0

從 CD Account 一年後檢查利息

check Date: Mon Nov 27 14:49:05 CST 2017  
Account <Woody Allison check  
Interest earned is 300.0  
Account <Woody Allison> now has \$1300.0 balance

從 Loan Account 存進\$1000

Deposit Date: Sun Nov 27 14:49:05 CST 2016  
Account <Judi Foster> now deposit(1000)  
Account <Judi Foster> now has \$-500.0 balance

從 Loan Account 提款\$1000

Deposit Date: Sun Nov 27 14:49:05 CST 2016  
Account <Judi Foster> now deposit(1000)  
EXCEPTION: Banking system throws a class hw1.BankingException with message:  
MESSAGE: Underfraft from checking account name:Judi Foster  
Account balance remains \$-500.0

Process finished with exit code 0