hw1.Application

Type = CheckingAccount

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Account openDate = Sun Nov 27 14:49:05 CST 2016

Account Name = John Smith Account Balance = 1500.0

Type = SavingAccount

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Account openDate = Sun Nov 27 14:49:05 CST 2016

Account Name = William Hurt Account Balance = 1200.0

Type = CDAccount

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Account openDate = Sun Nov 27 14:49:05 CST 2016

Account Name = Woody Allison Account Balance = 1000.0

Type = LoanAccount

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Account openDate = Sun Nov 27 14:49:05 CST 2016

Account Name = Judi Foster Account Balance = -1500.0

My test data

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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: Underfraft 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