

Read, understand and write *.cpp code for optional extra credit project exCr5_16, Chapter 5 Programming Challenge #5_16 Savings Account Balance, p. 300.

The output may look like:

Enter the annual interest rate on the account (e.g. .04): -.04

Interest rate must be non-negative: .04

Enter the starting balance: -1000

The balance must be greater than 0: 1000

How many months have passed since the account was established? -3

Number of months must be non-negative: 3

Month 1

Total deposits for this month: \$-200

Deposits must be zero or greater. Please re-enter: 200

Total withdrawals for this month: \$-100

Withdrawals must be zero or greater. Please re-enter: 100

Month 2

Total deposits for this month: \$300

Total withdrawals for this month: \$50

Month 3

Total deposits for this month: \$375.78

Total withdrawals for this month: \$25

Ending balance: \$ 1714.66
Amount of deposits: \$ 875.78
Amount of withdrawals: \$ 175.00
Amount of interest earned: \$ 13.88

Or

Enter the annual interest rate on the account (e.g. .04): .04
Enter the starting balance: 100
How many months have passed since the account was established? 2

Month 1

Total deposits for this month: \$0
Total withdrawals for this month: \$200

The account has a balance of \$-100.00
Because the balance is negative, the account has been closed.

Ending balance: \$ -100.00
Amount of deposits: \$ 0.00
Amount of withdrawals: \$ 200.00
Amount of interest earned: \$ 0.00