Exercise 2: Hometown Bank

Plan

- Review necessary steps for pseudocode.

- Set up variables.

Housekeeping

- Use a variable to store the account balance: accountBalance = 0

- Use a variable to store the fee if the account was overdrawn: overDrawnFee

- The fee is calculated as 1% of the account balance minus $5 for each time the account was overdrawn.

Input

- Collect the account balance.

- Collect the number of times the account was overdrawn.

Process

- Compute the fee:

overDrawnFee = (accountBalance \* 0.01) - (5 \* numberOfOverdrafts)

- Compute the new account balance:

newAccountBalance = accountBalance - overDrawnFee

Output

- Display the calculated fee.

- Display the new account balance.

- Display "Thanks for using this program".

Pseudocode

DECLARE accountBalance AS FLOAT

DECLARE numberOfOverdrafts, overDrawnFee, newAccountBalance AS FLOAT

PRINT "Enter the account balance:"

INPUT accountBalance

PRINT "Enter the number of times the account was overdrawn:"

INPUT numberOfOverdrafts

SET overDrawnFee = (accountBalance \* 0.01) - (5 \* numberOfOverdrafts)

SET newAccountBalance = accountBalance - overDrawnFee

PRINT "Overdrawn Fee:", overDrawnFee

PRINT "New Account Balance:", newAccountBalance

PRINT "Thanks for using this program"

END PROGRAM