Design a program that will calculate the current balance in a savings account. The program must ask the user for the current balance, a total dollar amount of deposits made, the total dollar amount of withdrawals made, and the monthly interest rate as a decimal. The program will then calculate the new balance for the savings account and display the new balance.

Start

Declarations

Decimal balance

Decimal deposits

Decimal withdrawals

Decimal interest

Decimal monthlyBalance

Decimal temp

Decimal newBalance

Display: ”What is the current balance?”

Input balance

Display: “What are the total amount in deposits?”

Input deposits

Display: “What are the total amount of withdrawals?”

Input withdrawals

Display: “What is the monthly interest rate in decimal form”

Input interest

monthlyBalance = balance + deposits – withdrawals

If monthly balance < 0

newBalance = monthly balance

Else

Temp = monthlyBalance \* interest

newBalance = monthlyBalance + temp

End if

Display: “Your new balance is {newBalance}”

Stop