

Write a complete C++ program (including comments) to calculate the balance of a savings account at the end of a period of time.

At the beginning, your program should ask the user for 3 pieces of data:

1. starting balance
2. monthly interest rate
3. number of months that passed since the account was established.

Your program should then loop for each month, performing the following:

A. Ask the user for the amount deposited into the account during the month. Add this amount to the account balance.

B. Ask the user for the amount withdrawn during the month. Subtract this amount from the balance.

C. Multiply the monthly interest by the balance and add this to the balance.

After the last iteration, your program should display the following:

1. Total amount of deposits
2. Total amount of withdrawals
3. Total interest earned

All output (except prompts) should be printed to an output file. Input can either be done from the keyboard, or a file (it is your choice).