

Developing Software: Introduction

(H173 34)

Walkthru exercise 4

“Write a program in C++ that will accept as input a user’s savings account balance, followed by a withdrawal amount.

The output will display the new balance together with a warning should the account holder go into the red as a result.”

Suggested source code solution:

// Author

// Date

// Description / purpose of code

// Version

// Saved as

# include <iostream.h>

# include <conio.h>

float old\_balance, new\_balance, withdrawal; //global scope

void enter\_transaction\_details()

{

cout << "Enter Account Balance before Withdrawal\n";

cin >> old\_balance;

cout << "Now enter the amount you wish to withdraw\n";

cin >> withdrawal;

}

void calculate\_new\_balance()

{

new\_balance = old\_balance - withdrawal;

}

void display\_result\_of\_transaction()

{

if (new\_balance < 0)

{

cout << "\n\n\*\*\*WARNING\*\*\* \n\nWithdrawing this amount will make the\n\\*\*\*ACCOUNT OVERDRAWN\*\*\* ";

cout << "by £" << withdrawal - old\_balance << endl;

}

else

cout << "\n\nYour Account Balance will be £" << new\_balance << endl;

}

int main()

{

clrscr();

enter\_transaction\_details();

calculate\_new\_balance();

display\_result\_of\_transaction();

getch();

return 0;

}